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QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

Welcome to the bioMérieux Industry PDF Product List.

Use the Head Tabs at the top of each page to skip to each section, then click the titles in the Tab Menu to find each product group.

INDUSTRY PRODUCT LIST 2015

INDUSTRIAL MICROBIOLOGY

BIOMÉRIEUX INDUSTRY

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Our Principles

Customers come First

We must satisfy our customers – clinicians and laboratory professionals – with high quality, innovative products and services to protect and improve the health of patients and consumers worldwide.

Employees are our Greatest Asset

We must respect and recognise the work and the ideas of all employees, no matter what their job. We work together towards a common goal: satisfy our customers. We must provide employees with the training and resources they need to achieve this.

We Belong to a Community

We have social, environmental and economic responsibilities towards the local communities where our sites are located. We also have responsibilities towards the global community as a partner in public health.

Our Shareholders are Partners

We must communicate company information in a transparent, thorough and timely manner. We must grow bioMérieux's sales and ensure that shareholder investments provide a proper return.

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Sales Orders & Enquiries

NEW bioMérieux website!

Our telephone lines are open Monday to Friday (except Bank Holidays) from 8.30am to 5.00pm.

General Sales Orders & Enquiries

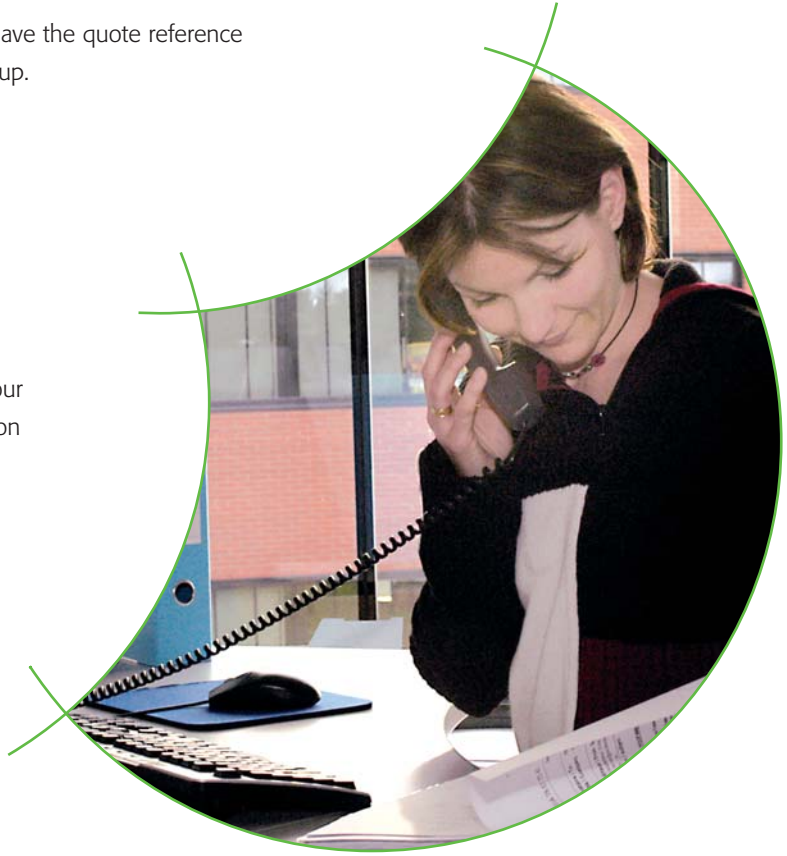
Telephone: 01256 480701
Fax: 01256 816863
Email: UKSALES@BIOMERIEUX.COM

Quotations

If you have received a quotation from your representative please have the quote reference to hand when placing an order to ensure the correct pricing is set up.

Flexible Ordering Options

- Ad-hoc Orders
- Standing Orders
- Email and Fax-back Orders
- Urgent Orders – see emergency delivery options on PAGE 4
- eCatalogue – electronic ordering, contact us for information
- Virtual Warehouse – large volume single batch orders held in our warehouse for delivery when required, contact us for information



Standing Orders

Standing orders are required for Monolot (single batch number) orders and specific shelf-life requests for culture media.

General Enquiries

bioMérieux UK Limited
Grafton Way
Basingstoke
Hampshire
RG22 6HY

Telephone: 01256 461881
Fax: 01256 816863
WWW.BIOMERIEUX.CO.UK

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Delivery

Next Day Delivery as Standard

As part of our commitment to customer service, we endeavour to despatch all orders received by 2.00pm the same day, subject to availability from UK stock.

Our routine delivery service is for arrival the next working day (up to 5.30pm) for all mainland UK customers.

Prices quoted include handling and delivery, subject to a minimum order value of £350. A standard charge of £20.10 is applied to orders below this level. A sliding scale of costs operates on higher weights.

Timed receipt and/or emergency deliveries will be charged extra at the prevailing rate.

Special or emergency delivery options are available for next day, same day or Saturday delivery.

Customer Order	Delivery	Notes
Monday	Tuesday	Next day delivery as standard
Tuesday	Wednesday	Next day delivery as standard
Wednesday	Thursday	Next day delivery as standard
Thursday	Friday	Next day delivery as standard
Friday	Saturday	Emergency delivery, will be charged at the prevailing rate
	Sunday	No deliveries

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Customer Service Support

NEW bioMérieux website!

Technical, Engineering and Service Enquiry calls are logged by our Service Support team.
Our telephone lines are open Monday to Friday (except Bank Holidays) from 8.30am to 5.00pm.

Technical Support

- To help with all of your technical enquiries we have a team of in-house and field Application Specialists
- If our team can deal with your enquiry over the telephone they will endeavour to do so
- If this is not possible or you require more hands-on help with an evaluation, validation or training then your enquiry will be escalated to our field Application Specialists who may then arrange to visit your laboratory

Technical Support Team

Telephone: 01256 480709
Fax: 01256 816863
Email: UKTECHNICAL@BIOMERIEUX.COM

General Enquiries

bioMérieux UK Limited
Grafton Way
Basingstoke
Hampshire
RG22 6HY

Telephone: 01256 461881
Fax: 01256 816863
WWW.BIOMERIEUX.CO.UK

Engineering & Service Support

- In-house or in the field we have a team of engineers to help with all of your instrument enquiries
- Our field Service Engineers install equipment, perform preventative maintenance (servicing) and provide emergency breakdown cover in your laboratory
- Our in-house team perform instrument pre-delivery inspections, repairs and *air*IDEAL® air flow calibrations

Engineering & Service Support Team

Telephone: 01256 480709
Fax: 01256 480710
Email: ML-GB-HAM-ENGINEERINGADMIN@BIOMERIEUX.COM

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Training and Education

BIOMERIEUX PERFORMANCE SOLUTIONS

Get ready for tomorrow with new knowledge and skills

To keep you on the cutting edge and better respond to your needs, bioMérieux is continually updating its Training and Education programme.

We offer a range of certificated training courses to meet the needs of modern laboratories. As part of the bioMérieux Performance Solutions approach, our training courses will enable you to:

- Increase staff expertise leading to improved performance and efficiency at the workbench
- Contribute to quality and compliance programmes
- Boost and maintain staff motivation and commitment
- Reinforce your lab's brand image

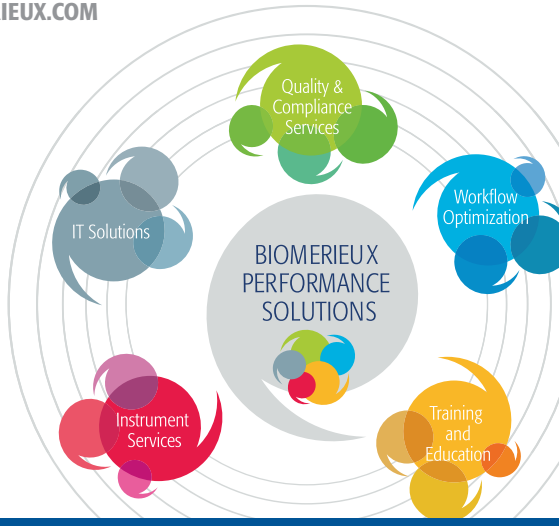
Courses are available now for:

- Key operators for bioMérieux equipment
- Routine operators for bioMérieux equipment
- Manual Bacterial Identification
- Manual Identification – API®

An extensive menu of e-learning courses covering professional development and scientific topics will be available soon. We will also be offering e-learning courses on bioMérieux equipment and products designed to complement our classroom training courses. For a preview of available courses, **CLICK HERE**.

Training Team

Telephone: 01256 480660
Email: **UKTECHNICAL@BIOMERIEUX.COM**



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Technical Library

Access to our technical library is through the bioMérieux UK website, click on 'Technical Library' and search via the product name or reference number. Once you have registered with **WWW.MYBIOMERIEUX.COM**, *you can access:*

- Pack Inserts
- Quality Control Certificates
- Material Safety Data Sheets (MSDS)
- Thermal Shock Validation
- Instrument Manuals
- Validation guides and addenda

If you are not sure of the product, use the search function on this electronic product list to find the product reference number you are interested in before searching for documentation on the technical library.

To find Instrument user manuals or validation addenda, go to the left hand side of the technical library and search using a guided search, choose search by systems and this will bring you to a list of our instruments.

Quality Control Certificates

Our pre-poured media products must be passed by our Quality Control Departments and a certificate produced before they are released for sale. The QC Certificates for these and other products can be accessed directly via **WWW.MYBIOMERIEUX.COM**. *You can search for these using the product name, reference number or the lot number.*

Expiry Dates

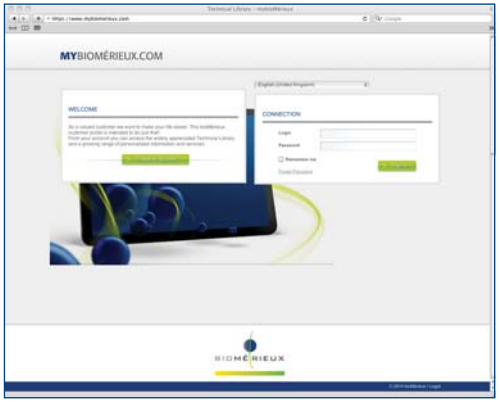
For pre-poured media and kits, the expiry date for a specific batch is on the top of the QC Certificate. Product can be used on the day of expiry.

LyfoCults® Plus

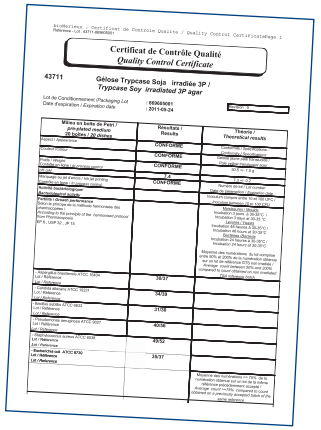
To obtain Certificates of Quality for LyfoCults Plus products, **CLICK HERE** and browse by 'Reagents > Culture > Ancillary Products > LyfoCult'

This range is being phased out in 2015 and products can only be supplied subject to availability.

www.biomerieux.co.uk Homepage



Technical Library page for www.mybiomerieux.com



QC Certificate

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About bioMérieux Industry

bioMérieux Industry's mission is to help ensure consumer, patient and animal health through innovative microbiology control solutions.

Our Commitment

World leader in the field of *in vitro* diagnostics, bioMérieux has been providing diagnostic solutions for over 50 years, and is now operating in more than 150 countries through 42 subsidiaries and a large network of distributors.

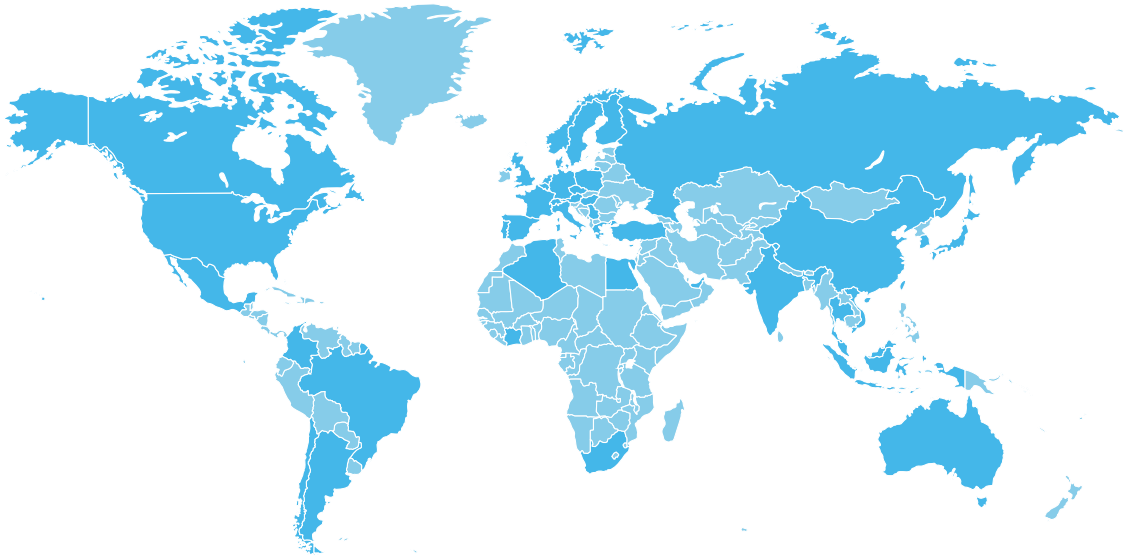
bioMérieux Industry is a specific business unit of bioMérieux with dedicated R&D, marketing, and commercial resources.

Developing and producing the largest range of microbial control solutions (reagents, instruments, software and services), bioMérieux Industry provides answers from sample preparation to final identification and typing of microorganisms.

bioMérieux Industry serves with its dedicated teams four main customer types:

- Food / Water
- BioPharmaceutical
- Cosmetic / Personal Care
- Veterinary diagnostics laboratories

bioMérieux is determined to continue to play a pioneering role by innovating and designing the diagnostics of the future to address the major challenges for public health worldwide.



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About bioMérieux Industry

bioMérieux offers the most extensive range of solutions for industrial microbiological control, both manual and automated, providing quick and reliable results to companies in the food, biopharmaceutical and cosmetics industries. These solutions cover all stages of analysis, from sample preparation to the identification of the microorganisms.

These solutions are used to qualify raw materials, for in process control during production, and to test the finished products to establish their shelf life.

Facilities Monitoring

- Software and hardware range for environmental monitoring and traceability (Labguard® 3D)

Food Safety – Safety Criteria

- Detection of pathogenic microorganisms (VIDAS®, VIDAS UP and chromID™ ranges)
- Microorganism identification and strain typing to track and address the source of product contaminations (API®, VITEK® 2 Compact, VITEK MS and DiversiLab® ranges)

Food Quality – Hygiene Criteria

- Enumeration of microorganisms that serve as quality indicators; a large number could mean there are pathogenic bacteria (TEMPO® and pre-poured media ranges)
- Detection of microorganisms in beverages (CHEMUNEX® range)

Sterility of Biopharmaceutical Products

- Sterility tests for injectable products or biological tissues such as for grafts (CHEMUNEX, BacT/ALERT® 3D Dual-T, MFT and pre-poured media ranges)
- Control of sterile production environments: surfaces, air, machines, operators (Count-Tact™ 3P™, *air*IDEAL® Traceability, QUANTISWAB® ranges)
- Identification and strain typing if a microorganism is detected for investigation and corrective action (API, VITEK 2 Compact, VITEK MS and DiversiLab ranges)

bioMérieux takes into account the cultures, manufacturing processes and dietary habits specific to different countries. Companies can therefore choose the solution that is best suited to their needs, from a comprehensive range of options.

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In vitro *diagnostic tests help companies to ensure the quality of the products they manufacture to protect consumer health.*

The Challenge

Food-related infections are common throughout the world, in particular in emerging countries. Millions of people are affected each year and, in some cases, the ingestion of food that is unsuitable for consumption can lead to death. Using diagnostic tests, bacteria such as *Salmonella* or *Escherichia coli* can be detected during food processing.

The pathogens present in food are able to propagate very easily due to the globalisation of food production and supply chains: food safety crises transcend national boundaries.

Faced with the increasing demands of legislators and consumers, the food processing industry is organising and implementing control, certification and traceability procedures.

The Role of *in vitro* Diagnostics

To protect consumers' health and quality of life, it is essential to control the quality of food processing. *In vitro* diagnostic tests play a role at all stages of production.

Throughout the various production stages, from raw material to finished product, bioMérieux offers a comprehensive range of solutions designed for industrial microbiological control:

- Counting quality indicators (spoilage flora)
- Detecting pathogenic microorganisms
- Identifying microorganisms
- Monitoring hygiene in the production environment
- Checking product sterility

In view of the growing demands of companies and regulations, bioMérieux offers a wide variety of testing solutions that have been validated by national and international organisations such as AOAC International and AFNOR. bioMérieux's solutions meet high performance specifications in terms of accuracy, reliability and speed of results, and have been adopted by a growing number of accredited laboratories.

"More than 200 diseases can be transmitted via food"

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About bioMérieux Industry

In vitro *diagnostic tests make it possible to check pharmaceutical and cosmetic products to ensure compliance with stringent regulations.*

To guarantee patient and consumer safety, pharmaceutical and cosmetics companies must undergo extremely strict manufacturing and production environment inspections, in which *in vitro* diagnostic tests play a major part.

Microbial Control Solutions for the Pharmaceutical and Cosmetics Industries

Microbiological testing confirms that pharmaceutical and cosmetic products are safe and meet the required quality standards:

- Sterility tests for medical products such as injectables (vaccines, etc.) and biological products such as cell cultures (biotechnology)
- Sterility tests for clean rooms used to manufacture sterile products
- Tests for medical products and what are known as "non-sterile" products (ointments, cosmetics, etc.)

To ensure production safety, the entire production process must be checked regularly. Numerous microbiological tests are carried out: storage, raw materials, products during processing, finished products, production environment (water, air, surfaces, operators).

Efficient Microbiology

bioMérieux offers a wide range of innovative solutions to meet the needs of each of these extremely demanding sectors:

- Environmental control
- Sterility testing
- Aseptic filling simulation (MFT: media fill test)
- Culture media fertility testing strains (Compendial and plant isolates)
- Identification and typing of microorganisms
- Alternative methods for microbial detection

bioMérieux solutions are developed, validated and manufactured throughout the world at ISO 9001 certified sites and in accordance with GMPs (good manufacturing practices).

Each new product is validated according to rigorous performance criteria, as per our customers' expectations, and defined by:

- European, Japanese and American pharmacopeias
- ISO standards

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About bioMérieux Industry

Solutions for Veterinary Diagnostics

World leader in the field of *in vitro* diagnostics for 50 years, bioMérieux has been engaged in a race against the constant evolution of bacteria, the development of infectious diseases and pandemics.

Strong with our Pasteurian history and experience in microbiology, it is our role as a daily partner of laboratories worldwide to stay a step ahead. We do this by providing the widest range of solutions on the market, tools and services to improve productivity and quality and the many innovations that contribute to optimising veterinary diagnostic laboratory performance every day. We bring to veterinary laboratories solutions to fight against antimicrobial resistance, fertility and emerging animal diseases.

For more details on solutions for veterinary diagnostics, **CLICK HERE**.

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About bioMérieux Industry

bioMérieux's commitment to public health and expertise in biology are rooted in its unique family history. In 1897, Marcel Mérieux, a student of Louis Pasteur, founded an analysis laboratory in Lyon that would become Institut Mérieux. This marks the start of an extraordinary adventure in both biology and industry.

In 1937, his son, Dr. Charles Mérieux, took up the reins of his father's laboratory. In the 1940's, he introduced a technique developed by the Dutch Professor Frenkel – *in vitro* culture – which revolutionised the manufacture of vaccines and led to the production of reagents for *in vitro* diagnostic testing.

In 1963, Alain Mérieux, grandson of Marcel, established the diagnostics company, bioMérieux. Today it is part of Institut Mérieux, whose companies in diagnostics, immunotherapy, food safety and nutrition, are working to meet the new challenges in public health and contribute to the medicine of tomorrow.

Marcel Mérieux, a student of Louis Pasteur, creates the Institut Mérieux (Year 1897).

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Quality

Quality Policy

At bioMérieux, we never forget that every day, somewhere in the world, a clinician makes a decision for a treatment, or a food product is released for consumption, based on the quality of a test we are providing.

Our tests must provide an optimum level of performance because our customers are themselves responsible for the quality of the test results they provide to those who depend on them. This is why we consider quality to be everybody's responsibility.

bioMérieux's Quality Policy guides our internal processes and drives good business outcomes and efficiencies. In line with regulatory requirements, it also draws upon input from the company's sites and subsidiaries worldwide to ensure that the policy is understood and embraced by all employees.

Quality by Design

We have our minds set on doing better every day and when it comes to our Quality Policy, we adopt a holistic approach. Our goal is quality by design in everything we do: our aim is not to create quality by checking, but quality right from the start by integrating it into every aspect of our work.

We have a **GLOBAL QUALITY MANAGEMENT SYSTEM** to control our processes and manage risk. This approach helps assure fulfilment of regulatory requirements. It leads to decreased production cycle times, reduced product nonconformities and an optimised supply chain. Products can thus be launched rapidly on the market to satisfy the needs of our customers.

Quality is Everybody's Responsibility

Quality is not the job of the Quality Organisation only: it is a shared responsibility by all employees, affecting everybody from R&D and manufacturing to sales and marketing, as well as support functions.

Performance indicators engage all employees in the achievement of quality objectives. Continuous improvement initiatives are in place, and best practices are exchanged among the company's teams worldwide.

It is our responsibility to help customers do their job by understanding their needs and making sure that we meet them. Our Quality Policy is key to achieving this.

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Quality

To meet the high expectations of our customers, our Quality Assurance system is designed to ensure the reproducibility of product performance throughout a product's lifecycle. Each new product is validated following stringent performance criteria required by our customers and by regulatory bodies such as the FDA and MHRA and specified by pharmacopoeias, food accreditation bodies and ISO standards.

Quality Assurance at our Craponne Manufacturing Site

Our Quality Assurance and Regulatory Affairs Departments must approve all products before release. All development and validation documentation is archived and can be accessed during an audit.

- Our quality system is certified ISO 9001:2008 and EN ISO 13485:2003 for all its activities
- Facilities operate in compliance with the FDA cGMP 21 CFR Part 820 (current Good Manufacturing Practices)
- Culture media ranges manufactured for use in the pharmaceutical industry are compliant with the US/EU/J pharmacopoeia requirements
- The Quality Control laboratory at our bioMérieux Craponne site has COFRAC accreditation (Number 1-2367) to ISO 17025 for tests for the QC of culture media manufactured at this site

Inspections

- 25–30 customer audits a year
- International health authorities such as the FDA
- ISO 9000 family and ISO 17025 audits

Raw Material Management

- Strict selection and control of raw materials to maintain the reproducibility of performance between batches
- Control of the supply chain for raw materials
- Raw materials are blended for each product
- Full traceability from raw material to finished product
- TSE/BSE Status Certification

Culture Media Production

- Pharmaceutical plate production lines for 3P™ Irradiated media, LockSure® plates and other Pharmaceutical media
- Plate production in a clean room with environmental monitoring and controls
- Filling area is operated to ISO 5 classification
- Special manufacture for customer specified formulations, filling volumes and presentations for plates and bottles
- ***NEW*** production line for Petri dishes in 2015

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Quality

Quality Control at our Craponne Manufacturing Site

Performance & Shelf-life

- Evaluated for each product according to:
  - EN 13640:2002 Stability Testing of *in vitro* diagnostic reagents
  - EN 1322:1999 *In vitro* Diagnostic Devices – Culture Media for Microbiology – Performance Criteria for Culture Media
- Using validated methods
- Inter-lot and Intra-lot variability analysed to prevent any drift in performance (USP 1117)
- Stability testing:
  - In real-time on 3 batches
  - Includes thermal shocks to guarantee shipment and temperature variations will not impact on performance
  - Pharmaceutical culture media – wild and pharmacopoeia strains tested in development
  - Routinely re-evaluated after launch
  - Extends to beyond the expiry given so that **media can be used on the last day of shelf-life** with no impact on performance

Quality Control

- Microbiological and physical criteria for raw materials and final product
- Includes: growth promotion (recovery rates, colony morphology), pH, colour, agar strength
- Pharmaceutical culture media are tested using microbial strains defined by the USP/EP/JP
- >50% recovery rate compared with a gold standard media
- Unique ≥ 75% recover rate compared with a previously passed batch of the same media for all 3P™ Environmental Monitoring Culture Media
- For culture media featured in the harmonised chapters of the pharmacopoeias, our non-sterile pharmaceutical testing culture media complies with:
  - Microbiological examination of non-sterile products: microbial enumeration tests (EP 2.6.12, USP 61, JP 35.1)
  - Microbiological examination of non sterile products: tests for specified microorganisms (EP 2.6.13, USP 62, JP 35.2)

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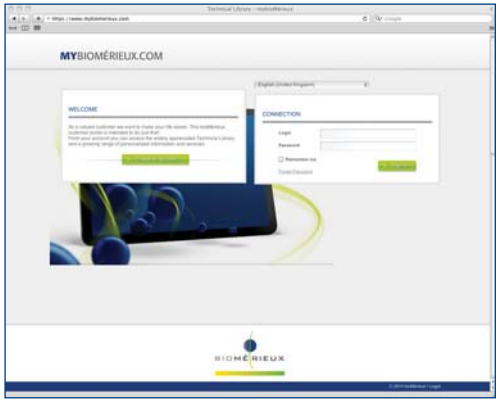
Material Safety Data Sheets

An MSDS provides lab personnel with procedures for handling or working with dangerous products in a safe manner, and include information such as physical data, toxicity, health effects, storage, disposal, protective equipment, and waste-handling procedures.

bioMérieux reagents conform to all European and national regulations applicable to chemical substances that might have an impact on health or environment.

When required MSDS exist for our products. They can easily be retrieved from our Technical Library, **CLICK HERE**.



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bioMérieux Goes Green – Environmental Commitment

Five Key Areas

Throughout the world, bioMérieux is going green. On each site, in every subsidiary, a green champion is in charge of ensuring we achieve our environmental goals in the following five areas of focus.

Energy

Reduce our Consumption of Non-Renewable Energy Sources

Conscious that continued use of non-renewable energy sources will cause greater environmental problems, we want to use energy as responsibly and efficiently as possible. We have implemented an eco-efficient program focused on three major areas: reduce consumption, increase equipment efficiency, experiment with alternative energy sources.

For examples of how we are achieving our goal, **CLICK HERE**.

Water

Conserve Water Through Good Management of Resources

Water is the resource we use the most in our manufacturing processes. To reduce consumption, we favour closed loop circuits and are actively replacing once-through cooling systems.

For examples of how we are achieving our goal, **CLICK HERE**.

Paper

Reduce Paper Usage in Processes, Packages and Products

As we are constantly growing, we are faced with the issue of increased paper consumption. We are meeting this challenge by changing our product packaging and recycling paper.

For examples of how we are achieving our goal, **CLICK HERE**.

Waste

Minimise Adverse Impacts on Health and the Environment

We have been optimising our waste management for a number of years, reducing the weight of landfill waste, recycling and sorting non-hazardous waste. Specialised companies handle hazardous waste.

For examples of how we are achieving our goal, **CLICK HERE**.

Emissions

Minimise Adverse Impacts on Health and the Environment

Global warming due to greenhouse gas emissions is a major problem. Because of the close link between CO_2 emissions and global warming, we are focusing our efforts on high CO_2 emission sources that have a significant impact on the atmosphere.

For examples of how we are achieving our goal, **CLICK HERE**.

To find out more via email, **CLICK HERE**.

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General Conditions of Sale

The Buyer's attention is drawn in particular to the provisions of Condition 3, Condition 10 and Condition 11.

1. INTERPRETATION

In these Conditions, the following definitions apply:

Buyer: the person, firm or company who purchases the Goods and/or Installation from bioMérieux.

bioMérieux: bioMérieux UK Limited, Grafton Way, Basingstoke, Hampshire RG22 6HY.

Conditions: the terms and conditions set out in this document.

Contract: the contract between bioMérieux and the Buyer for the sale and purchase of the Goods and/or the performance of the Installation in accordance with these Conditions.

Date of Installation: the date on which the certificate of installation or other equivalent document is signed. In the absence of such document, the Date of Installation shall mean the date on which Installation is completed.

Delivery Point: the place where delivery of the Goods and/or performance of the Installation is to take place under condition 3.1.

Force Majeure Event: has the meaning given in condition 14.

Goods: the goods (or any part of them) set out in the Order, including but not limited to reagents, instruments, software and disposables.

Installation: the installation of the Instruments for the Buyer by bioMérieux, as set out in the Order.

Instruments: the instruments (or any part of them) set out in the Order.

Intellectual Property Rights: all patents, rights to inventions, copyright and related rights, trademarks, service marks, trade, business and domain names, rights in trade dress or get-up, rights in goodwill or to sue for passing off, unfair competition rights, rights in designs, rights in computer software, database right, topography rights, moral rights, rights in confidential information (including know-how and trade secrets) and any other intellectual property rights, in each case whether registered or unregistered and including all applications for and renewals or extensions of such rights, and all similar or equivalent rights or forms of protection in any part of the world.

Order: the Buyer's order for the Goods, as set out in the Buyer's purchase order form or as communicated in writing to bioMérieux by the Buyer.

Software: any software comprised in the Goods or otherwise provided by bioMérieux to the Buyer.

WEEE: waste electrical and electronic equipment as defined in the Waste Electrical and Electronic Equipment Regulations 2006 (SI 2006/3289) (the "WEEE Regulations") as amended from time to time.

2. FORMATION OF CONTRACT

2.1 These Conditions apply to the Contract to the exclusion of any other terms that the Buyer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing.

2.2 The Order constitutes an offer by the Buyer to purchase the Goods and/or the Installation in accordance with these Conditions. The Buyer is responsible for ensuring that the terms of the Order are accurate and complete, and specifically that the Order includes:

(a) the product name and reference number;

(b) the Buyer's addresses for delivery, Installation and invoicing; and

(c) the Buyer's account number with bioMérieux.

2.3 The Order shall only be deemed to be accepted when bioMérieux issues a written acceptance of the Order, or (if earlier) bioMérieux performs the Installation and/or delivers the Goods to the Buyer, at which point the Contract shall come into existence.

2.4 The Contract constitutes the entire agreement between the parties. The Buyer acknowledges that it has not relied on any statement, promise, representation, assurance or warranty made or given by or on behalf of bioMérieux which is not set out in the Contract.

2.5 All samples, drawings, descriptive matter, specifications and advertising issued by bioMérieux and any descriptions or illustrations contained in bioMérieux's catalogues or brochures are produced for the sole purpose of giving an approximate idea of the goods described in them. They shall not form part of the Contract and no sale of Goods shall be a sale by sample.

3. DELIVERY

3.1 Unless otherwise specified in the Order, the Delivery Point shall be the Buyer's place of business.

3.2 If the Contract includes an Installation, the Buyer shall provide to bioMérieux:

(a) access to its premises, systems and staff; and

(b) all other necessary assistance in performing such Installation.

3.3 Times and dates for delivery are business estimates only and not contractual obligations. Time therefore will not be of the essence of the Contract and provided bioMérieux makes delivery within a reasonable time (taking into account all the circumstances) the Buyer shall not be entitled to terminate or rescind the Contract or claim damages in respect of late delivery unless bioMérieux has specifically agreed in writing to the contrary on a contract by contract basis.

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3.4 bioMérieux shall not be liable for any delay in delivery of the Goods or performance of the Installation that is caused by a Force Majeure Event, the Buyer's failure to provide bioMérieux with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods or performance of the Installation, or any other act or omission of the Buyer.

3.5 If for any reason the Buyer fails to accept delivery of the Goods when they are ready for delivery, or bioMérieux is unable to deliver the Goods on time because the Buyer has not provided appropriate instructions, documents, licences or authorisations:

(a) risk in the Goods shall pass to the Buyer (including for loss or damage caused by bioMérieux's negligence);

(b) the Goods shall be deemed to have been delivered; and

(c) bioMérieux may store the Goods until delivery, and the Buyer shall be liable for all related costs and expenses (including, without limitation, storage and insurance).

3.6 bioMérieux may deliver the Goods, or perform the Installation, by separate instalments as agreed with the Buyer. Each separate instalment shall be invoiced and paid for in accordance with the provisions of the Contract. Each instalment shall be a separate Contract and no cancellation or termination of any one Contract relating to an instalment shall entitle the Buyer to repudiate or cancel any other Contract or instalment.

3.7 The Buyer is responsible for obtaining, at its own cost, such import licences and other consents in relation to the Goods as are required from time to time and, if required by bioMérieux, the Buyer shall make those licences and consents available to bioMérieux prior to the relevant shipment.

3.8 Any reagents supplied to the Buyer by bioMérieux under the Contract shall be packed with a minimum residual shelf life, details of which shall be provided by bioMérieux to the Buyer upon request.

3.9 bioMérieux shall not be liable for any damage or shortfall in delivery of Goods (even if caused by bioMérieux's negligence) unless the Buyer:

(a) gives written notice of such damage or shortfall on the form provided by the carrier for that purpose to bioMérieux within 3 working days of delivery; and

(b) submits its claim in writing to the Sales Administration Department of bioMérieux within 30 days following receipt of the Goods or performance of the Installation.

3.10 No return of the Goods shall be accepted without bioMérieux's prior written consent.

4. PRICES

4.1 The price of the Goods and/or the Installation shall be bioMérieux's quoted price or where no price is quoted the price listed in bioMérieux's published price list at the date of the Contract. A quotation shall only be valid for a period of 30 days from its date of issue, or such other period as may be specified in the quotation, unless withdrawn by bioMérieux. A quotation shall not constitute an offer.

4.2 Prices quoted are exclusive VAT.

4.3 bioMérieux may, by giving notice to the Buyer at any time up to delivery, increase the price from that advised in the acceptance of the Order, if such increase is due to:

(a) increased cost of raw materials or labour;

(b) any change in government regulations;

(c) any request by the Buyer to change the delivery date(s), quantities or types of Goods ordered;

(d) any delay caused by any instructions of the Buyer or failure of the Buyer to give bioMérieux adequate or accurate information or instructions; or

(e) any Force Majeure Event.

5. INVOICING AND PAYMENT

5.1 bioMérieux may invoice the Buyer for the Goods and/or Installation on or at any time after the shipping date.

5.2 The Buyer shall make payment in full in cleared funds in advance of delivery or, with bioMérieux's express prior written consent, within 30 days from the date of the invoice for the Goods. Time of payment is of the essence.

5.3 If the Buyer fails to make any payment due to bioMérieux under the Contract by the due date for payment, bioMérieux:

(a) may withdraw immediately any payment facilities and special commercial conditions previously granted;

(b) may require payment in full in cleared funds (or any other means of payment chosen by bioMérieux) from the Buyer before any further delivery;

(c) may require immediate payment of all sums which are or which will become due to bioMérieux under the Contract; and

(d) shall be entitled to recover possession of any unpaid Goods. bioMérieux shall retain the part of the price already paid as compensation for the use of the Goods. Any promise to pay shall not be considered, for the purposes of this provision, as payment.

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5.4 The Buyer shall make all payments due under the Contract in full without any deduction or set-off whether by way of counterclaim or otherwise, unless otherwise agreed in writing by bioMérieux or unless the Buyer has a valid court order requiring an amount equal to such deduction to be paid by bioMérieux to the Buyer.

5.5 If the Buyer fails to make any payment due to bioMérieux under the Contract by the due date for payment, then the Buyer shall pay interest on the overdue amount at the rate of 8% per annum above Barclays Bank's base rate from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgement. The Buyer shall pay the interest together with the overdue amount.

6. LEASE PURCHASE

If the Buyer is purchasing the Goods in order to lease them to a third party, the Buyer shall ensure that such third party complies with all relevant obligations of the Buyer under the Contract (including without limtiation in relation to the use, storage and maintenance of the Goods) and shall be directly liable to bioMérieux for any failure of such third party to comply with such terms.

7. TITLE AND RISK

7.1 Subject to Condition 3.5, risk of damage to or loss of the Goods shall pass to the Buyer at the time when the carrier employed by bioMérieux delivers the Goods into the hands of the Buyer or when the Buyer collects the Goods from bioMérieux's premises.

7.2 Title to the Goods shall not pass to the Buyer until bioMérieux has received in full (in cash or cleared funds) sums due to it in respect of those Goods.

7.3 Until title to the Goods has passed to the Buyer, the Buyer shall:

(a) store the Goods separately from all other goods held by the Buyer so that they remain readily identifiable as bioMérieux's property;

(b) not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;

(c) maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery;

(d) notify bioMérieux immediately if it becomes subject to any of the events listed in Condition 8.1(c) or Condition 8.1(d); and

(e) give bioMérieux such information relating to the Goods as bioMérieux may require from time to time.

7.4 Subject to clause 7.5, the Buyer may use the Goods in the ordinary course of its business (but not otherwise) before bioMérieux receives payment for the Goods.

7.5 If before title to the Goods passes to the Buyer the Buyer becomes subject to any of the events listed in Condition 8.1(c) or Condition 8.1(d) or the Buyer encumbers or in any way charges any of the Goods then, without limiting any other right or remedy bioMérieux may have:

(a) the Buyer's right to use the Goods in the ordinary course of its business ceases immediately; and

(b) bioMérieux may at any time:

(i) require the Buyer to deliver up all Goods in its possession which have not been irrevocably incorporated into another product; and

(ii) if the Buyer fails to do so promptly, enter any premises of the Buyer or of any third party where the Goods are stored in order to recover them.

7.6 bioMérieux shall be entitled to recover payment for the Goods notwithstanding that ownership of any of the Goods has not passed from bioMérieux.

8. TERMINATION AND SUSPENSION

8.1 Without limiting its other rights or remedies, bioMérieux may terminate the Contract with immediate effect by giving written notice to the Buyer if:

(a) the Buyer fails to pay any amount due under the Contract on the due date for payment and remains in default not less than 14 days after being notified to make such payment; or

(b) the Buyer's financial position deteriorates to such an extent that in bioMérieux's opinion the Buyer's capability adequately to fulfill its obligations under the Contract has been placed in jeopardy; or

(c) the Buyer ceases or threatens to cease to trade, becomes insolvent or is the subject of insolvency proceedings, makes an arrangement or composition with its creditors, has a receiver and/or administrator appointed over its undertaking or is the subject of any similar or equivalent action or occurrence, or a creditor or encumbrancer of the other party attaches or takes possession of, or a distress, execution, sequestration or other such process is levied or enforced on or sued against, the whole or any part of its assets and such attachment or process is not discharged within 14 days; or

(d) there is a change of control of the Buyer (within the meaning of section 1124 of the Corporation Tax Act 2010).

8.2 Without limiting its other rights and remedies, bioMérieux may suspend provision of the Goods and/or Installation under the Contract or any other contract between bioMérieux and the Buyer with immediate effect by giving written notice to the Buyer if:

(a) the Buyer becomes subject to any of the events listed in Conditions 8.1(b) or 8.1(c) or bioMérieux reasonably believes that the Buyer is about to become subject to any of them; or

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(b) the Buyer fails to pay any amount due under the Contract on the due date for payment.

8.3 On termination of the Contract for any reason:

(a) bioMérieux shall be entitled to raise invoices payable by the Buyer for any Goods delivered but not yet invoiced; and

(b) the Buyer shall immediately pay to bioMérieux all of bioMérieux's outstanding unpaid invoices and interest.

8.4 Termination of the Contract, however arising, shall not affect any of the parties' rights, remedies, obligations and liabilities that have accrued as at termination.

8.5 Conditions which expressly or by implication survive termination of the Contract shall continue in full force and effect.

9. BUYER'S OBLIGATIONS

9.1 The Buyer shall ensure:

(a) compliance with the storage conditions written on the packaging of the Goods or set forth in the package inserts; and

(b) the customs clearance of Goods on time.

9.2 The Buyer shall take all measures to ensure that the Goods are used and disposed of in compliance with legal requirements and standards (including relevant traceability rules), including the installation of Instruments and performance analysis. As an expert/a man skilled in the art, the Buyer shall use the Instruments in strict compliance with the recommendations of bioMérieux and shall remain liable for any interpretation and any use of results provided.

9.3 bioMérieux will not be liable for any non-compliance with such rules or guidance in relation to the Goods after delivery to the Delivery Point. The Buyer agrees to indemnify bioMérieux against any third party action on the consequences of using non-compliant Goods.

10. WARRANTIES

10.1 Reagents

(a) bioMérieux's reagents are intended for in vitro use. bioMérieux warrants that reagents shall conform in all material respects to the specifications indicated in the package insert until their expiry date.

(b) Subject to Condition 10.6, if:

(i) the Buyer gives notice in writing to the Sales Administration Department of bioMérieux within a reasonable time of discovery that some or all of the Goods do not comply with the warranty set out in Condition 10.1(a); and

(ii) bioMérieux is given a reasonable opportunity of examining such Goods; and

(iii) the Buyer (only if asked to do so by bioMérieux) returns such Goods to bioMérieux's place of business at bioMérieux's cost, bioMérieux shall, at its option, repair or replace the defective Goods, or refund the value of the defective Goods in full.

10.2 Instruments

(a) bioMérieux warrants that, for the period of one year from the Date of Installation, the Instruments shall:

(i) be free from material defects in material and workmanship; and

(ii) conform in all material respects with the user's manual applicable on the Date of Installation.

(b) Subject to Condition 10.6, bioMérieux agrees to correct, or have corrected by a third party designated by bioMérieux, either by repair or by replacement (at bioMérieux's election), any such defect or non-conformity found on examination to have occurred during such one (1) year warranty period, provided that the Instruments have been:

(i) used under normal operating conditions; and

(ii) maintained in accordance with the instructions provided by bioMérieux such as, but not limited to, written instructions, package insert and user's manuals, provided that bioMérieux is promptly notified in writing upon discovery of such defect by the Buyer.

(c) Disposables and replacement items with a normal life expectancy of less than one (1) year such as, but not limited to, batteries, lamps and tubing are excluded from the warranty set out at Condition 10.2(a).

(d) The warranty set out at Condition 10.2(a) is valid to the Delivery Point only and will be voided by any transhipment unless bioMérieux materially facilitates the relocation of the Instruments.

10.3 Software

(a) bioMérieux warrants that any Software (other than firmware embedded in an Instrument) will conform in all material respects with the descriptions and specifications in the documentation accompanying such Software for a period of ninety (90) days from the date of delivery.

(b) The Buyer agrees that Company may invoice the Buyer for any complementary services required due to virus contamination existing in the Buyer's computer hardware.

(c) Notwithstanding the foregoing, this warranty will not apply to the extent the Software does not conform to and/or function in accordance with the applicable written technical documentation as a result of a defect arising from:

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(i) any revisions or modifications to the Software after its provision to the Buyer other than those made by bioMérieux or any person under the express direction of bioMérieux;

(ii) the malfunction of any third-party software or equipment supplied or authorised by the Buyer;

(iii) operation of the Software other than in accordance with the applicable documentation or design, or on hardware not recommended, supplied or approved by bioMérieux; or

(iv) any defect in the installation environment of the Software.

(d) The Software shall have been scanned for viruses using commercially available software at the date of delivery. From delivery, it is the Buyer's responsibility to protect its information system against future risks.

10.4 Subject to Condition 10.6, if the Buyer gives notice in writing to the Sales Administration Department of bioMérieux within a reasonable time of discovery that some or all of the Goods do not comply with the warranties set out in Condition 10.2 and Condition 10.3, bioMérieux may:

(a) make a remote diagnosis and if possible, correct the deficiency;

(b) if remote correction is not possible, undertake onsite evaluations will be initiated within three (3) business days, during working days, excluding holidays observed by bioMérieux; and

(c) if repair cannot be made on the Buyer's site, repair the Instruments at bioMérieux's premises. Transportation costs will be at bioMérieux's expense.

10.5 The Buyer will provide access to bioMérieux, in a timely manner, to any technical support, facilities, hardware, software or information in the Buyer's possession necessary for bioMérieux to complete the work set out in Condition 10.4. bioMérieux will correct such stated deficiencies, at no additional cost to the Buyer.

10.6 bioMérieux shall not be held liable for Goods' failure to comply with the warranties set out in Conditions 10.1, 10.2 and 10.3 in any of the following events:

(a) the Buyer makes any further use of such Goods after giving notice in accordance with Condition 10.1(b) or Condition 10.4;

(b) the failure to comply arises because the Buyer failed to follow bioMérieux's oral or written instructions as to the storage, commissioning, installation, use and maintenance of the Goods or (if there are none) good trade practice regarding the same;

(c) the failure to comply arises as a result of bioMérieux following any drawing, design or specification supplied by the Buyer;

(d) the Buyer alters or repairs such Goods without the written consent of bioMérieux;

(e) the failure to comply arises as a result of fair wear and tear, wilful damage, negligence or abnormal storage or working conditions;

(f) the Goods differ from their description as a result of changes made to ensure they comply with applicable statutory or regulatory requirements;

(g) the failure to comply arises as a result of a Force Majeure Event; or

(h) the failure to comply arises as a result of any act or omission of the Buyer.

10.7 The Buyer's sole and exclusive remedies in respect of the Goods' failure to comply with the warranties set out in Condition 10.1, Condition 10.2 and Condition 10.3 shall be as provided for in this Condition 10, and bioMérieux shall have no further liability in respect of such failure.

10.8 These Conditions shall apply to any repaired or replacement Goods supplied by bioMérieux, provided that the warranties set out in these Conditions shall apply to such repaired or replacement Goods only for the term of such warranties remaining in respect of the Goods repaired or replaced.

11. LIMITATION OF LIABILITY

11.1 Subject to Condition 3 and Condition 10 the following provisions set out the entire financial liability of bioMérieux (including any liability for the acts or omissions of its employees, agents and sub-contractors) to the Buyer in respect of:

(a) any breach of these Conditions;

(b) any use made or resale by the Buyer of any of the Goods, or of any product incorporating any of the Goods; and

(c) any representation, statement or tortious act or omission including negligence arising under or in connection with the Contract.

11.2 Any liability of bioMérieux for non-delivery of or damage to any Goods shall be limited to replacing the Goods within a reasonable time or issuing a credit note at the pro rata Contract rate against any invoice raised for such Goods.

11.3 Subject to Condition 11.4:

(a) bioMérieux's total aggregate liability in contract, tort (including negligence or breach of statutory duty), misrepresentation, restitution or otherwise, arising in connection with the performance or contemplated performance of the Contract shall be limited to sums paid under the Contract or, at the election of bioMérieux, the repair or replacement of the Goods plus associated freight charges; and

(b) bioMérieux shall not be liable to the Buyer for loss of profit, loss of business, or depletion of goodwill in each case whether direct, indirect or consequential, or any claims for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the Contract.

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11.4 Nothing in the Contract shall limit or exclude bioMérieux's liability for any matter in respect of which liability cannot be excluded or limited by English law.

11.5 All warranties, conditions and other terms not expressly set out in these conditions in relation to the Goods, including (without limitation):

(a) those implied by statute or common law; and

(b) those relating to the performance of the Software, to results linked with its use and to its compatibility with the Buyer's hardware, are excluded to the fullest extent permitted by law.

12. INTELLECTUAL PROPERTY RIGHTS

12.1 All Intellectual Property Rights in or arising out of or in connection with the supply of Goods or performance of the Installation shall as between the parties be owned by bioMérieux.

12.2 Software included in the price list is subject to a non-exclusive license agreement. The Buyer may not reproduce, modify nor transfer the Software without bioMérieux's consent.

13. WASTE MATERIAL

13.1 Save as expressly agreed by bioMérieux, the Buyer shall be responsible for financing and organising the collection, treatment, recovery and environmentally sound disposal of:

(a) all WEEE arising or deriving from the Goods; and

(b) all WEEE arising or deriving from products placed on the market prior to 13 August 2005 where such products are to be replaced by the Goods and the Goods are or an equivalent type or are fulfilling the same function as that of such products.

13.2 The Buyer shall:

(a) comply with all additional obligations placed upon the Buyer by the WEEE Regulations by virtue of the Buyer accepting the responsibility set out in Condition 13.1; and

(b) provide to bioMérieux and bioMérieux's WEEE compliance scheme operator with such data. documents, information and other assistance as bioMérieux and/or such scheme operator may from time to time reasonably require to enable bioMérieux to satisfy the obligations assumed by it as a result of bioMérieux's membership of the operators compliance scheme.

13.3 The Buyer shall be responsible for all costs and expenses arising from and relating to its obligations in Condition 13.1. The Buyer agrees that it shall not dispose of any WEEE through municipal waste streams.

14. FORCE MAJEURE

bioMérieux reserves the right to defer the date of delivery or to cancel the Contract or reduce the volume of the Goods ordered by the Buyer (without liability to the Buyer) if it is prevented from or delayed in the carrying on of its business due to any delay in obtaining any necessary export licence or to circumstances beyond the reasonable control of bioMérieux including, without limitation, acts of God, governmental actions, war or national emergency, acts of terrorism, protests, riot, civil commotion, fire, explosion, flood, epidemic, lock-outs, strikes or other labour disputes (whether or not relating to either party's workforce), or restraints or delays affecting carriers or inability or delay in obtaining supplies of adequate or suitable materials, provided that, if the event in question continues for a continuous period in excess of 90 days, the Buyer shall be entitled to give notice in writing to bioMérieux to terminate the Contract.

15. GENERAL

15.1 The Buyer shall not assign or transfer the agreement or any of its rights and obligations arising under the Contract to any other party without prior written consent of bioMérieux.

15.2 bioMérieux may assign the Contract to a third party.

15.3 All communications between the parties about the Contract shall be in writing and delivered by hand or sent by pre-paid first class post or sent by fax to the registered office of the receiving party or to such other address or by such other means as shall be notified by the receiving party to the other.

15.4 Each right or remedy of bioMérieux under the Contract is without prejudice to any other right or remedy of bioMérieux whether under the Contract or not.

15.5 If any provision of the Contract is found by any court, tribunal or administrative body of competent jurisdiction to be wholly or partly illegal, invalid, void, voidable, or unenforceable it shall to the extent of such illegality, invalidity, voidness, voidability or unenforceability be deemed severable and the remaining provisions of the Contract and the remainder of such provision shall continue in full force and effect.

15.6 Failure or delay by bioMérieux in enforcing or partially enforcing any provision of the Contract shall not be construed as a waiver of any of its rights under the Contract. Any waiver by bioMérieux of any breach of any provision of the Contract by the Buyer shall not be deemed a waiver of any subsequent or other breach.

15.7 The parties to the Contract do not intend that any term of the Contract shall be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person that is not a party to it.

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15.8 The Contract and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with English law, and, subject to Condition 15.9, the parties submit to the exclusive jurisdiction of the English courts.

15.9 Any dispute arising under or in connection with these Conditions or the sale of the Goods shall be referred to arbitration by a single arbitrator appointed by agreement or (in default) nominated on the application of either party by the President for the time being of The Law Society.

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bioMérieux reserves the right to modify specifications without notice.

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Overview

In support of the bioMérieux Goes Green initiative, we have produced this interactive PDF Product List for 2015. We consider this a positive development as it delivers functional benefits over paper versions, and in environmental terms reduces our use of paper by over 1,000 kilograms.

The following notes have been produced with the intention of assisting you to get the best results out of this 2015 PDF Product List.

As a progressive company, we consider all feedback valuable. If you have any comments or are having problems accessing electronic documentations, please email us at UKRESPONSE@BIOMERIEUX.COM or call us on 01256 461881.

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Layout & Navigation

To help you navigate this Product List, every page is separated into these three areas:

1. Head Tabs

There are Head Tabs across the top of every page.

When the cursor is placed over these Head Tabs, the arrow changes to a hand . By clicking the mouse when the hand icon is over the required Head Tab, you navigate to this section, and the selected tab changes to White to confirm your choice. All of the unselected tabs are shown in Green.

2. Tab Menus

For every Head Tab, there is a specific Tab Menu shown in the left hand pane.

This Tab Menu presents the complete list of contents within the selected Head Tab.

If you select a title within the Tab Menu, you advance to the specified page within the Product List. Further Tab Menu options may then be shown if additional pages are available.

As with Head Tabs, your selection is highlighted to show your current position.

3. Content

The content for the required Head Tab and Tab Menu is shown in the largest portion of the page.

The footer bar contains contact details, and will automatically launch email and our web site.

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Finding Products

There are three ways to locate products within this PDF Product List:

1. Using the Head Tabs & Tab Menus

You can locate a product by selecting the relevant Head Tab and Tab Menu and also by browsing forwards or backwards using navigation controls.

For instance to find BioBall® products, these are located in the 'QC Organisms' Tab. Click the 'QC Organisms' Head Tab to select and then click on 'BioBall' in the Tab Menu.

2. Using the 'Shortcuts' Head Tab

If you want to find BioBall, but you do not know which Head Tab it is held in, go to the 'Shortcuts' Tab where you will find every product category listed and click on 'BioBall'.

3. Using the Adobe Reader Search Tool

You can use the Adobe Reader built in search tool to find products by name or reference.

The search box is usually located in the toolbar above. To open the search box if it is not currently available, choose the 'Edit' menu and then select 'Find' or press:

Ctrl + F if you're using a Windows PC

⌘ + F if you're using an Apple Mac

Type the word, words or part of the word you want to search for in to the search box.

The way in which you cycle through each result depends on the software being used. In most software the first result will be highlighted on the page, to advance to the next result click the arrow next to the search box.

This search facility is good for finding product references, as well as every incidence of say, BioBall. This makes it the most flexible search tool available within this PDF Product List.

Note, Adobe Reader searches from the page currently viewed through to the last page, then continues the search from the front cover until it reaches the page you began on.

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The bioMérieux PDF Product List has been designed to be compatible with tablet devices.

Most devices should support the interactivity, links and options you enjoy on your laptop or desktop computers.

iPad | Android Devices | Microsoft Surface Devices
iPad Introduction | GoodReader Page 1 of 4 | GoodReader Page 2 of 4 | GoodReader Page 3 of 4 | GoodReader Page 4 of 4

iPad

To get the best performance, we recommend GoodReader app.

- Simply email the product list to your iPad, then open it in GoodReader, or
- Within iTunes with the iPad connected, click on the iPad device, select Apps in the head menu, click on the GoodReader icon in the File Sharing window and drop the product list into the Documents folder.
- For further help on using GoodReader, **CLICK HERE**.

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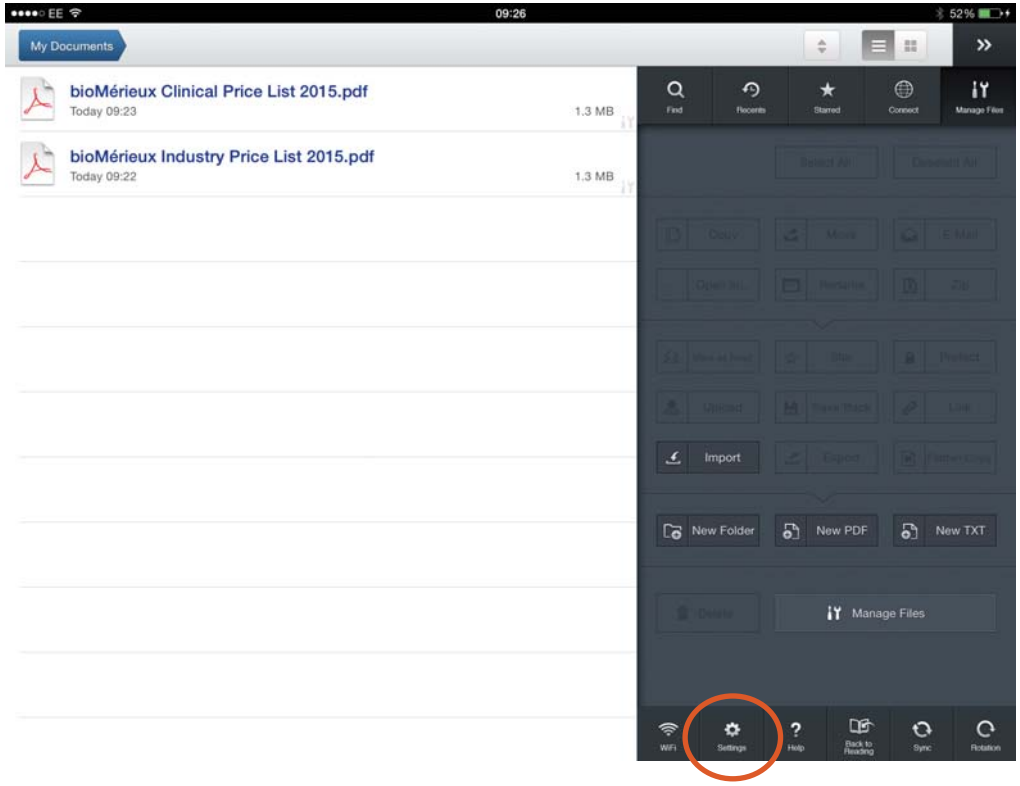
This brief guide will help you to get the best experience from your bioMérieux Interactive PDF product list when using GoodReader 3.20.0 for iPad. It assumes the product list is already loaded onto the iPad and recommends settings to deliver better performance.

1. Open the GoodReader for iPad app

In the 'My Documents' menu select the 'Settings' sub-menu.



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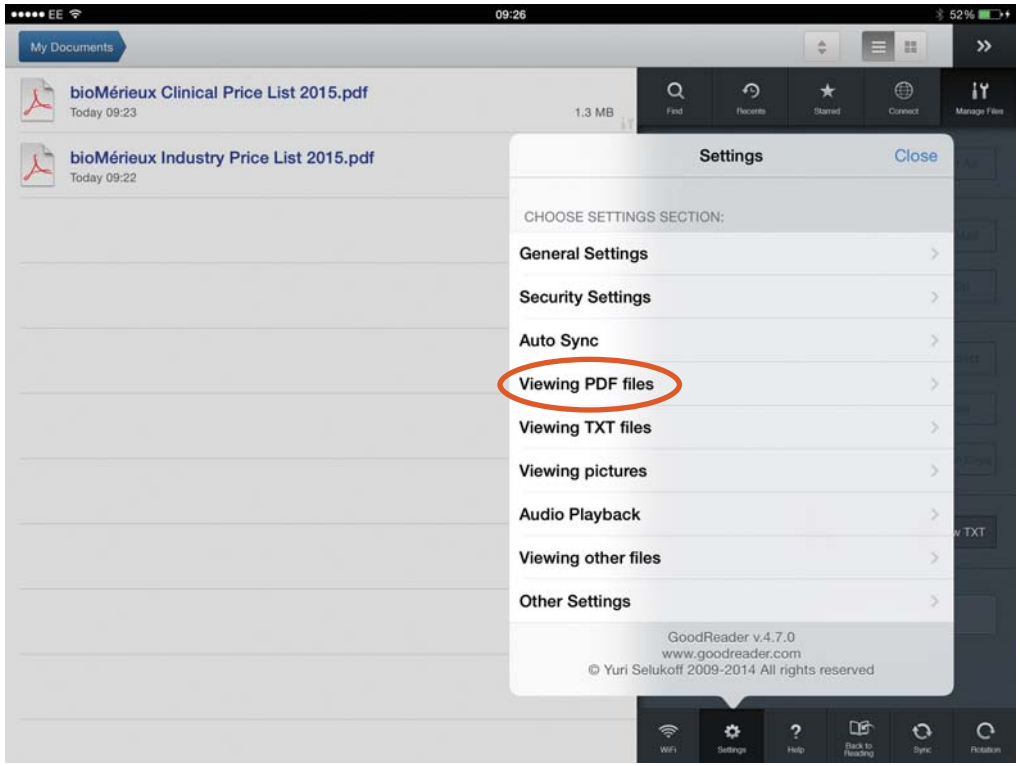
2. Within the 'Settings' sub-menu, select the 'Viewing PDF files' option



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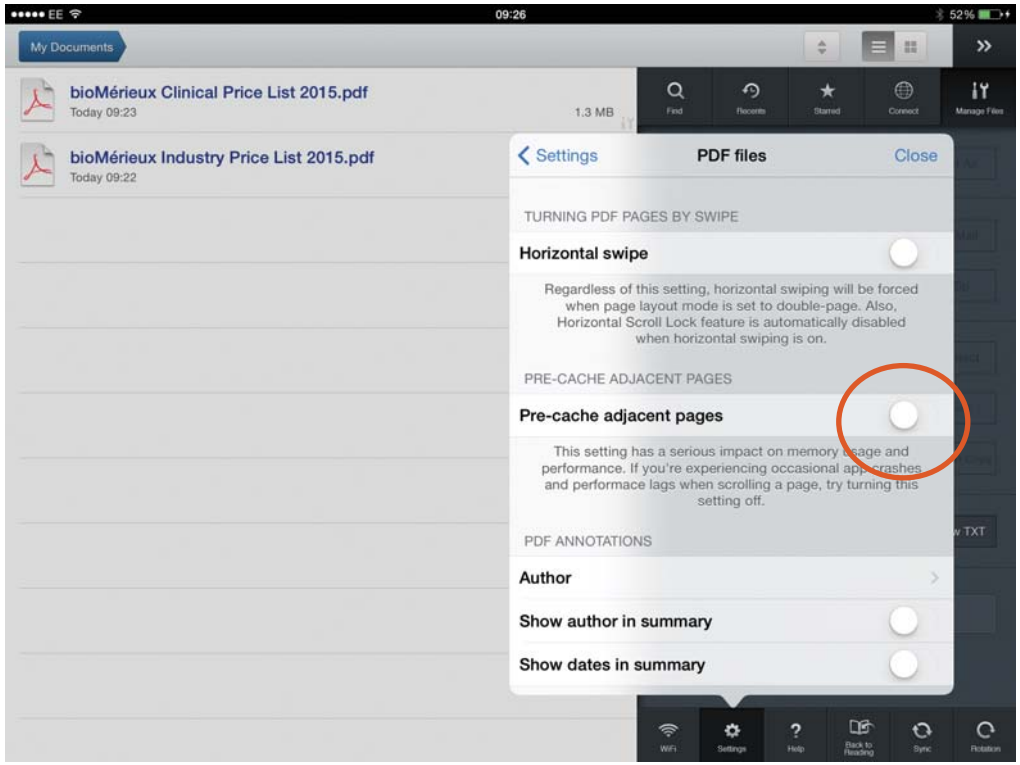
3. Within the 'Viewing PDF files', switch off 'Pre-cache adjacent pages'

The switch will become all grey in colour.


09:26
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My Documents
bioMérieux Clinical Price List 2015.pdf
Today 09:23
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bioMérieux Industry Price List 2015.pdf
Today 09:22
Settings
PDF files
Close
TURNING PDF PAGES BY SWIPE
Horizontal swipe
Regardless of this setting, horizontal swiping will be forced when page layout mode is set to double-page. Also, Horizontal Scroll Lock feature is automatically disabled when horizontal swiping is on.
PRE-CACHE ADJACENT PAGES
Pre-cache adjacent pages
This setting has a serious impact on memory usage and performance. If you're experiencing occasional app crashes and performace lags when scrolling a page, try turning this setting off.
PDF ANNOTATIONS
Author
Show author in summary
Show dates in summary

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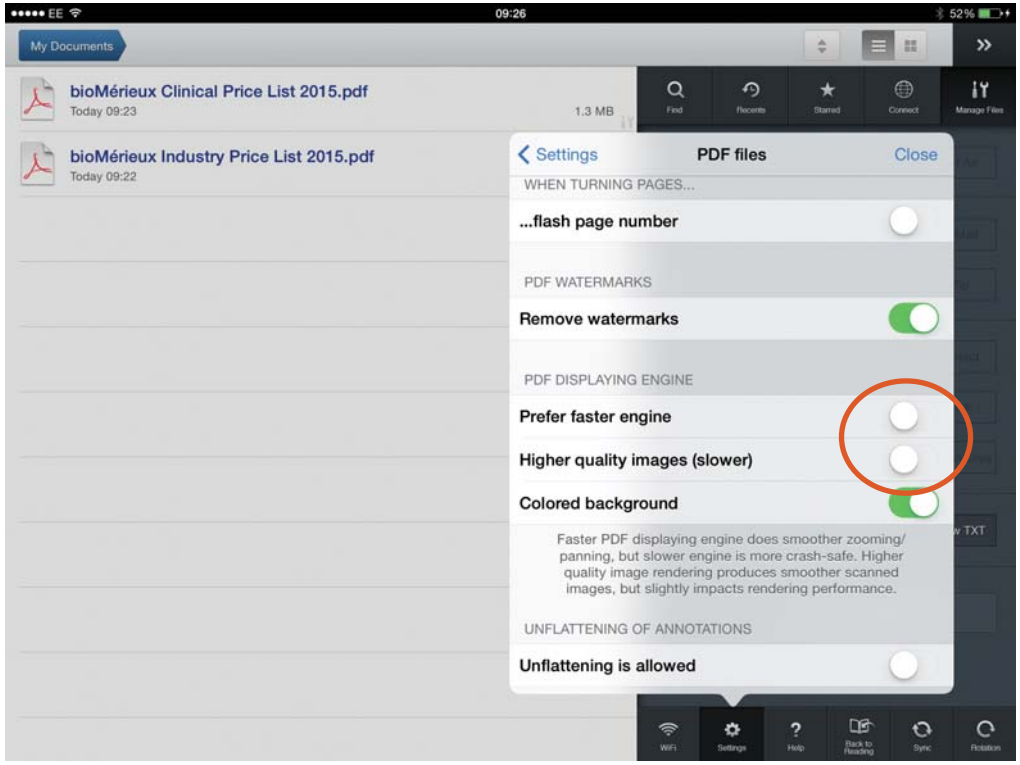
4. Still within the 'Viewing PDF files', scroll down and switch off 'Prefer faster engine' and then 'Higher quality images (slower)'

In both cases, the switches will become all grey in colour.



GoodReader is now optimised for your bioMérieux Interactive PDF. You will notice the performance will improve significantly.
For further technical help, **CLICK HERE**.

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Android Devices

To get the best performance, we recommend Adobe Reader app.

- Simply email the product list to your the Android device, then open it from the email application and it should open in the Adobe Reader app, or
- Connect the android device to your computer as a "Disk Drive" and save the product list to memory. It will then open with Adobe Reader.

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Microsoft Surface Devices

To get the best performance, we recommend Adobe Reader app.

- Email the product list to the Microsoft device, then open it from the email application and it should open in Adobe Reader Touch, or
- Connect the product list from "Skydrive", a memory stick using the USB port, or by connecting to a PC. The file will then open with Adobe Reader.

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BIOMERIEUX PERFORMANCE SOLUTIONS

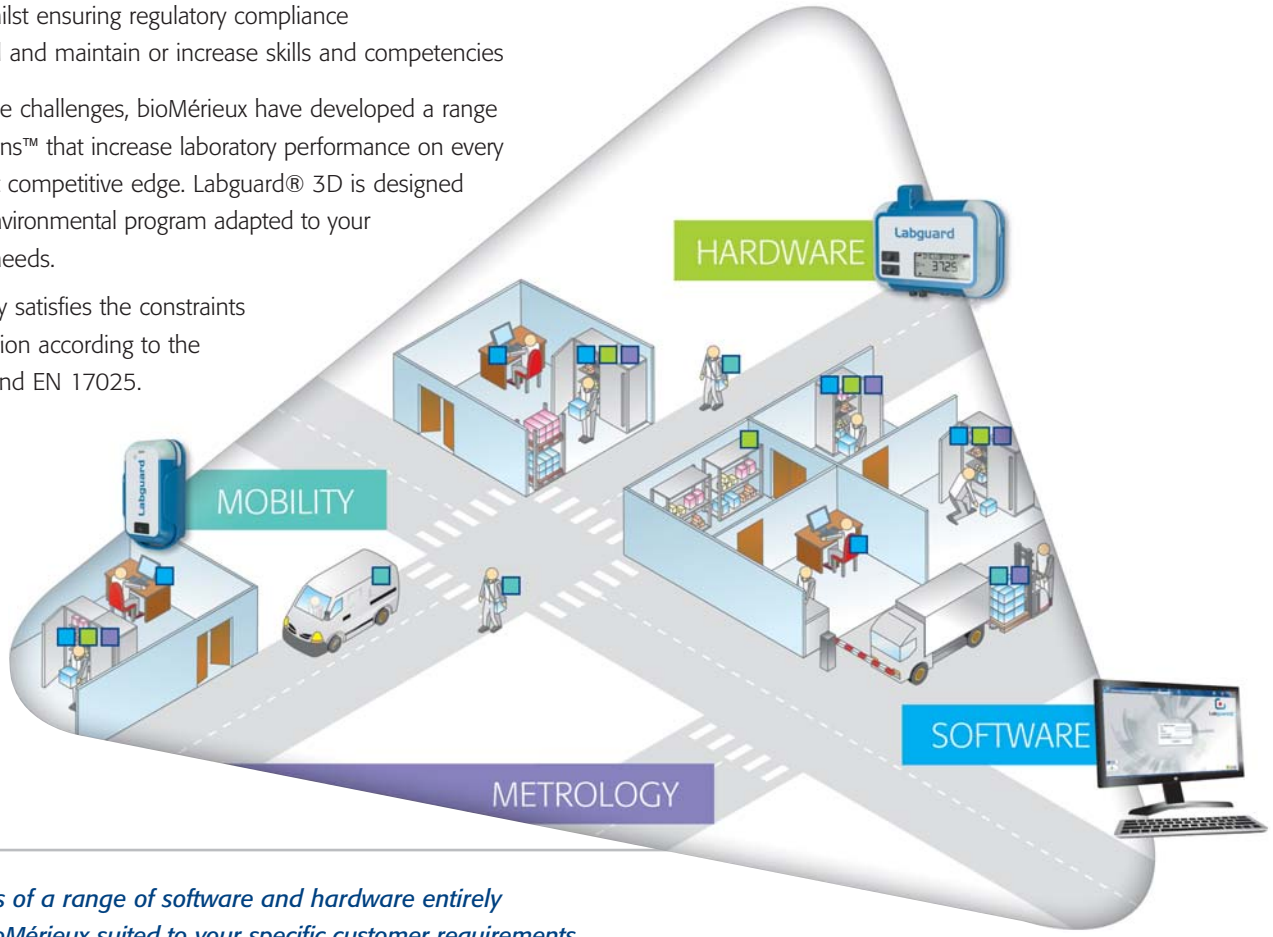
Labguard 3D

In today's increasingly competitive environment, demands for cost containment, whilst dealing with increasing workloads means your laboratory and services are faced with having to:

- Optimise laboratory processes and provider faster results
- Improve quality whilst ensuring regulatory compliance
- Motivate personnel and maintain or increase skills and competencies

To help you meet these challenges, bioMérieux have developed a range of Performance Solutions™ that increase laboratory performance on every level and give you that competitive edge. Labguard® 3D is designed as a comprehensive environmental program adapted to your departments' specific needs.

This solution favourably satisfies the constraints of laboratory accreditation according to the standards EN 15189 and EN 17025.



Labguard 3D consists of a range of software and hardware entirely developed by AES/bioMérieux suited to your specific customer requirements.

For more information on Labguard 3D, CLICK HERE.

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Labguard® 3D Software Features

*The Labguard 3D software for temperature monitoring can be provided in 3 versions adapted to the needs of the department; **Welcome**, **Executive** and **Integral**. Additional optional modules may also be proposed:*

- **Group and user management software** – This option allows the creation and management of groups at the heart of the software (groups of users, groups of system supervisors, service groups in an organisation). Each group can be allocated its own functions (specific alarm transfer, rights of access...). Each user can also manage the login and password which secures access.

Alarm notification by widget

Full web-based installation

Notification via email

- **Alarm transfer software** – The "standard" Labguard 3D solution allows users on the IT posts in the department to be alerted to alarm situations; The user is then informed of the alert by a change in the colour of the representation of the channel, and also by the appearance of a widget (pop up) if the Labguard 3D software is not switched on. Within this option, the alarm notification can be transferred to all types of external media (telephone message, email, SMS, fax, siren, light pole).
- **Metrology software** – This option allows the laboratory to carry out its own provision of sound fitting (and calibration) and equipment qualification (cartography) respecting the current standards (NF X 15140).

Features	Welcome	Executive	Integral
Channel	40	Unlimited	Unlimited
User and group management	Inclusive	Inclusive	Inclusive
Audit trail	–	Inclusive	Inclusive
Mobility management license	Inclusive	Inclusive	Inclusive
Alert manager license	–	Inclusive	Inclusive
21 CFR part 11 license	–	Optional	Inclusive
LDAP License	–	Optional	Inclusive
Modbus License	–	Optional	Inclusive
Calibration License	–	Optional	Inclusive
Characterisation License	–	Optional	Inclusive

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Labguard 3D

Labguard® 3D Software

For reasons of data security and ergonomics, the Labguard 3D software is preferably installed on a server or a virtual laboratory server. Thanks to its WebServer technology, Labguard 3D software can be accessible from all of the PCs in the department.

This WebServer technology also allows quick and easy deployment of the solution Labguard 3D on multi-site laboratories and departments, from a single and unique Labguard 3D software. This solution allows the anticipation of structural evolutions of the laboratories.

Software

MD6111 ***NEW***	Labguard Software Welcome License	1
MD6171 ***NEW***	Labguard Software Executive License	1
MD6179 ***NEW***	Labguard Software Integral License	1
MD6188 ***NEW***	Mobility Manager License	1
MD6109 ***NEW***	Alert Manager License	1
MD6180 ***NEW***	21 CFR Part 11 License	1
MD6181 ***NEW***	LDAP License	1
MD6186 ***NEW***	Modbus License	1
MD6107	Calibration License	1
MD6108	Characterisation License	1

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BIOMERIEUX PERFORMANCE SOLUTIONS

Labguard 3D

Labguard® 3D Sensors

Labguard 3D offers a wide range of sensors which meet all of the needs of the laboratory (temperature, humidity, CO_2, differential pressure).

Sensors

416038 ***NEW***	Sensor Temperature -30 °C to +80 °C	1
416042 ***NEW***	Sensor High Temperature PT100 -90 °C to +130 °C	1
416039 ***NEW***	Sensor Humidity 20 % to 80 % & Temperature 0 °C to +60 °C	1
416045 ***NEW***	Sensor Humidity 0 % to 100 % & Temperature -40 °C to +80 °C	1
416043 ***NEW***	Sensor CO_2 0 % to 10 % & Temperature -20 °C to +60 °C	1
416044 ***NEW***	Sensor CO_2 0 % to 20 % & Temperature -20 °C to +60 °C	1
416046 ***NEW***	Sensor Differential Pressure	1
416052 ***NEW***	Adapter Thermocouple K High Temperature -200 °C to +1200 °C	1
416047 ***NEW***	Adapter Input for Dry Contact	1
416050 ***NEW***	Adapter Relay for Dry Contact	1
416051 ***NEW***	Adapter High Temperature PT100 -200 °C to +300 °C	1
415002 ***NEW***	Probe PT100 Sensor Kit for Mapping Kit -200 °C to +200 °C	1
416041 ***NEW***	Adapter 0-10 V	1
416040 ***NEW***	Adapter 0-20 mA	1

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Labguard 3D

Labguard® 3D Transmitters

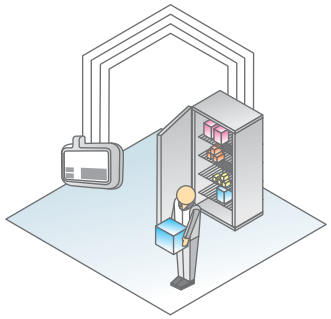
The Transmitters: Labguard 3D 2 transmitters can emit and receive radio information. The functioning of the radio emitters can be modulated according to a method of **Data Logging** (programmed emission of information) or according to **Real Time** mode (continuous emission). In both cases, the alarms are transmitted in real time. These 2 modes allow the response to **different levels of criticality in the equipments monitored**.

These transmitters can be connected to 1 or 2 probes simultaneously. The radio frequency used for these transmitters strictly follows current legislation. No risk of interference with other equipment should be feared by the department.

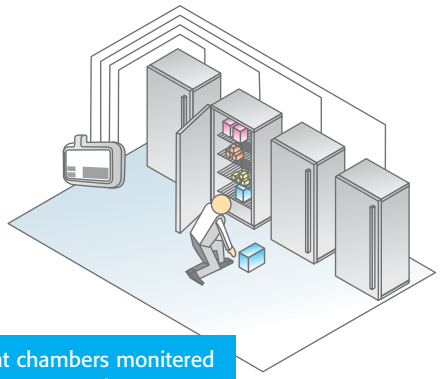
The Receivers: Labguard 3D proposes a range of receivers adapted to the needs of the laboratory. Receiver RD232 for the reception of information on a single IT post. Receiver IP for a transmission of information on the Ethernet network of the laboratory.

Transmitters

416010 ***NEW***	Radio/USB Transmitter One-channel 868 MHz	1
416011 ***NEW***	Radio/USB Transmitter Two-channel 868 MHz with Display	1
416012 ***NEW***	Radio/USB Transmitter Four-channel 868 MHz with Display	1
416019 ***NEW***	Ethernet/USB Transmitter Four-channel with Display	1
416035 ***NEW***	Radio/Ethernet/USB Receiver 868 MHz	1



4 parameters monitored on the same transmitter



4 different chambers monitered on the same transmitter

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Labguard 3D

Labguard® 3D Mobility

The Transport Solution: The Labguard 3D range offers several transport solutions to follow your samples. These recording devices are compatible with the software Labguard 3D and its module of management of "picking monitoring".

- **Autonomous Recording Devices** – The Tomkey system allows, on its screen, the permanent reading of the conditions of transport and the possible overrunning of the defined thresholds. The Tomprobe system, ultra compact, can also successfully record temperature and humidity conditions during transportation. These recording devices are autonomous, delivered calibrated and can be re-calibrated.
- **The Communicating Autonomous Recording Devices** – These recording devices can transmit by radio the information related to the transport period from the arrival of the samples in the laboratory.

Mobility

416026 ***NEW***	Mobiguard 868 MHz Temperature -30 °C to +60 °C	1
416029 ***NEW***	Mobiguard 868 MHz Temperature -30 °C to +60 °C & Humidity 20 % to 80 %	1
416049	Tomkey Temperature -20 °C to +60 °C	1
MD30101	Tomprobe Temperature -20 °C to +85 °C	1
MD31011	Tomprobe High Temperature 0 °C to +125 °C	1
MD6188	Mobility Manager License (for Mobiguard, Tomkey & Tomprobe)	1

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Facility Monitoring

Labguard® 3D Accessories

Accessories

Reference	Description	Presentation
416069 NEW	Adapter Relay for Receiver	1
MD5310 NEW	Battery for Main Board	1
416068 NEW	Battery LI Mobiguard	2
416067 NEW	Battery LI Transmitter	2
MD5045 NEW	Beacon Flash/Siren	1
416070 NEW	Cable µUSB/USB	1
416072 NEW	Cable Ethernet	1
416057 NEW	Cable Extension for Sensor 1 m	1
MD5042 NEW	Cable for Voice on MD5041	1
416075 NEW	Cap Protect Sensor Connector	10
416074 NEW	Cap Protect USB Connector	3
416055 NEW	Power Supply UK	1
415430 NEW	Power Supply USB WO Cable UK	1
415389 NEW	Power Supply USB WO Cable UK	1
416023 NEW	Mobiguard Wall Mount	1
416022 NEW	Receiver Wall Mount	1
416020 NEW	Transmitter Radio Wall Mount	1
416021 NEW	Transmitter Ethernet Wall Mount	1
MD5041 NEW	GPRS Modem (SMS + Voice)	1
MD12301 NEW	Probe PT100 Nitro Tank	1
MD12313 NEW	Probe TCK +200 °C to +1100 °C	1
416073 NEW	Sensor Mounting Clamp	20
MD31121 NEW	Tomclave Capsule (-40 °C to +140 °C)	1
MD5303 NEW	Tomkey Gasket	1
MD30010 NEW	Tomprobe Holder	1
MD31020 NEW	Tomprobe USB Interface Cable	1

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  - Traceable Calibration
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  - Humidity Calibration to ISO 17025
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Labguard 3D

Labguard® 3D Metrology (page 1 of 2)

Qualification Guide

416066 ***NEW***	Qualification Guide EN	1

Traceable Calibration

2301236 ***NEW***	Calibration Temperature Traceable	1
2301232 ***NEW***	Calibration Humidity Traceable	1
2301239 ***NEW***	Calibration CO_2 Traceable	1
2301234 ***NEW***	Calibration Pressure Traceable	1

Temperature Calibration to ISO 17025

2300845 ***NEW***	Calibration Temperature All Applications -30 °C/+5 °C/+23 °C/+44 °C	1
2300846 ***NEW***	Calibration Temperature Deep Freezer -80 °C	1
2300834 ***NEW***	Calibration Temperature Freezer -30 °C/-25 °C/-20 °C	1
2300814 ***NEW***	Calibration Temperature Refrigerator +2 °C/+5 °C/+8 °C	1
2300835 ***NEW***	Calibration Temperature Ambiant +18 °C/+23 °C/+28 °C	1
2300841 ***NEW***	Calibration Temperature Incubator +30 °C/+37 °C /+44 °C	1
2300842 ***NEW***	Calibration Temperature Sterilisation +40 °C/+121 °C	1
2300847 ***NEW***	Calibration Temperature -40 °C > 1 Point < +150 °C	1
2300848 ***NEW***	Calibration Temperature -40 °C > 1 Point < +150 °C	1
417493 ***NEW***	Calibration Temperature Characterisation Kit -40 °C > 1 Point < +150 °C	1
2300843 ***NEW***	Calibration Temperature Characterisation Kit -20 °C / +5 °C / +44 °C	1
2300844 ***NEW***	Calibration Temperature Characterisation Kit -80 °C / -20 °C / +5 °C / +44 °C / +100 °C	1
2300849 ***NEW***	Calibration Temperature Reference Kit - 30 °C / +130 °C (by default -30 °C / 0 °C / +20 °C / +44 °C / +125 °C)	1

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Facility Monitoring

Labguard® 3D Metrology (page 2 of 2)

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Humidity Calibration to ISO 17025		
417496 ***NEW***	Calibration Humidity Ambiant 55 % / 23 °C	1
417495 ***NEW***	Calibration Humidity 1 Point on request 5 % / 1 Point HR / 95 %	1
CO_2 Calibration to ISO 17025		
417494 ***NEW***	Calibration CO_2 1 Point 0.5 %, 5% or 10%	1
Metrology		
2301235 ***NEW***	ISO 17025 Calibration Temperature	1
2301231 ***NEW***	ISO 17025 Calibration Humidity	1
2301240 ***NEW***	ISO 17025 Calibration CO_2	1
2301233 ***NEW***	ISO 17025 Calibration Pressure	1

bioMerieux will assist you as a partner using the full range of dedicated services.

bioMérieux provides a full range of services made to ensure the reliability of protocols and equipment for the long term so that quality assurance can be improved.

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Workflow Optimisation

BIOMERIEUX PERFORMANCE SOLUTIONS

Are you Ready for Tomorrow's Challenges?

Going forward, Industrial Laboratories will be expected to continually deliver more with less resources.

bioMérieux, as your partner, can help you look at your lab from a different angle. Together, we will analyse your existing lab structure and design a roadmap to optimise your laboratory workflow and performance.

Our Workflow Optimisation solutions combine continuous improvement management techniques (LEAN Six Sigma, Kaizen, 5S...) to:

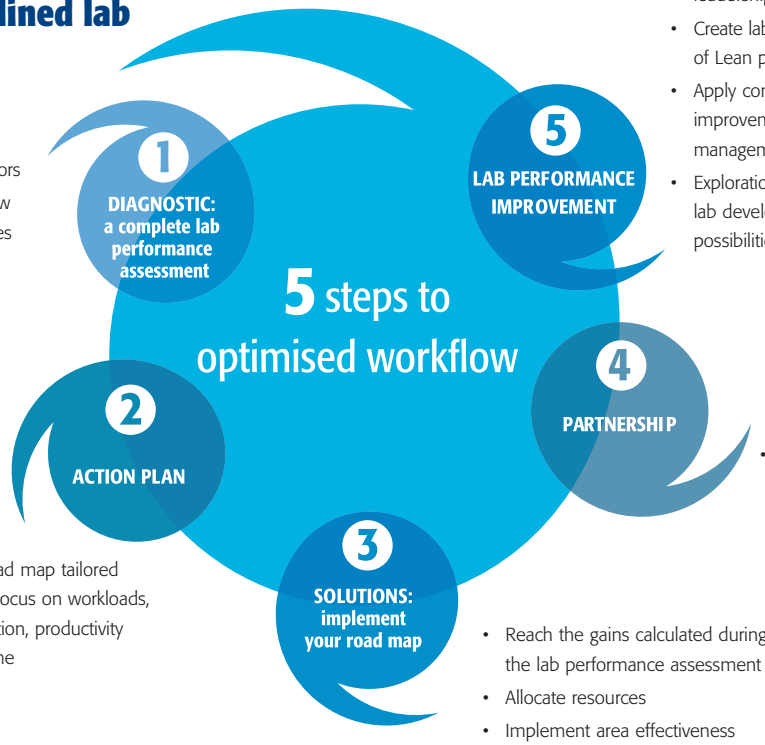
- Streamline processes to improve lab efficiency and reduce waste
- Increase productivity to absorb larger workloads with improved time to result
- Reduce costs to help contain lab expenditure or be able to invest in new technology
- Reallocate staff to more added value tasks

The Art of Doing More with Less

Workflow optimisation is a real art. Let us show you the keys to successful streamlining. Make use of our experience in biology, technology, automation, productivity, financial control, resource management... to take your lab to the next level!

To find out more about bioMérieux Performance Solutions, CLICK HERE.

On the fast-track to a streamlined lab



- Analyse lead time, bottlenecks and errors
- Inventory and review cost of best practices
- Evaluate staff and space utilisation

- With you, develop a LEAN-oriented road map tailored to your lab, with a focus on workloads, resources, organisation, productivity and turn-around time

- Reach the gains calculated during the lab performance assessment
- Allocate resources
- Implement area effectiveness and workstation design
- Manage for daily improvement

- Leverage indicators

- Provide intensive leadership training courses
- Create lab staff awareness of Lean principles
- Apply continuous improvement management tools
- Exploration of additional lab development possibilities

BIOMÉRIEUX INDUSTRY

CULTURE

- Product information – Media Preparation
- Product information – Sample Preparation
- Product information – Culture: Media
- Pre-Poured Media – Plates, Bottles & Tubes
- Water Testing Media
- Food Environmental Monitoring
- Dehydrated Culture Media
- Incubation System: GENbag-GENbox
- TEMPO®: Automated Quality Indicator Test Solution
- BacT/ALERT® for Sterility Applications
- Product information – Polycarbonate Bottles & Colorimetric Technology

Take advantage of **automated media preparation** with Masterclave®

blue line AES

Get rid of manual preparation steps

- No handling – No autoclaving – No stirring
- Easy connection to dispensing systems
- Pre-set programs for any type of media

High quality, freshly made media

- Solution approved by worldwide media producers
- Get high media quality by simplifying the process
- 1 ingredient mix + 1 dispensing = 1 fresh media
- Plate and tube filling compatibility within range
- **CLICK HERE** to see our comprehensive range of Dehydrated Culture Media

XY500 PM i APS One Masterclave® 528 Labelmaster® 2

BIOMÉRIEUX INDUSTRY

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High Performance Sample Preparation
Workflow Optimisation

blue line AES

The new Dilumat®

The quickest diluter on the market!

Dilumat is the solution to boost the productivity of your lab:

- Speeds up sample preparation with new features
- Improves sample quality with new capabilities
- Evolves with your lab's testing needs
- Dilumat can process samples from 3g to > 4kg
- Two pumps dispensing at the same time
- Coloured touch screen
- Bidirectional LIMS communication
- Automatic rotary arm

Dilumat™

Smasher® Blender/Homogeniser

Each day in the world more than 100,000 samples are prepared with Smasher.

PATENTED design & blending efficiency

UNRIVALED silence

Smasher is 19 to 30 times less noisy* than conventional blenders

UNIQUE blending performances

Smasher only needs 15 to 30 seconds** thanks to the patented Smash effect.

Smasher adapts its effort to your samples:
- No sample pre-cut
- Works for any kind of sample

UNEQUALED ease of cleaning

Smasher prevents any cross contamination.

Door opening from top to prevent any dirt flow

Removable paddles – no tools, no spring!

Big capacity waste drawer

Total access to the bench

Smasher™

* Study from an independent acoustics laboratory
** Study from a French Food Safety Agency

BIOMÉRIEUX INDUSTRY

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Culture: Media

Quality with Complete Confidence

Producing around 200 million culture media plates per year, bioMérieux provides a wide range of solutions for microbiological control dedicated to industrial laboratories. Our Quality Assurance system ensures the reproducibility of product performance throughout a product's lifecycle.

The importance of media in customer quality assurance cannot be under-estimated. The microbiological safety of your product is controlled through the enrichment/selection/isolation and/or enumeration of microorganisms. Our core products are of consistently high quality, which can significantly help to maintain your product's quality. To review the bioMérieux quality system in more detail please go to the **QUALITY PAGES**.

Innovations for Complete Solutions

Our objective is to guarantee you stay in control, but we have to move fast to move as fast as the industries we are working with. Our R&D teams are constantly developing novel and innovative products to bring commercially relevant solutions to our customers.

bioMérieux Industry's strategy is to make your life easier with solutions specially adapted for pharmaceutical, cosmetic and food laboratories.

- MiniBags for Buffered Peptone water, Fraser broth, CampyFood broth, LMX broth and LPT broth
- 3 Litre bags for Buffered Peptone water, Fraser broth (half) and LX broth, LMX broth and LPT broth
- Automated Quality Indicator testing for Food with TEMPO®
  - No further confirmation is required
- Unidatrix™ 2D barcodes on 3P™ Environmental monitoring media for traceability and to link plates with *air*IDEAL® 3P Traceability and VITEK® 2 Compact
- LockSure® technology on 3P 90mm plates
  - Option to lock the plate after sampling
  - Reduces the risk of false positive results
- BioBall® sets to provide the compendial organisms for growth promotion and sterility assurance testing in single kits
- BioBall Plant Isolate service to satisfy the regulatory expectation to include plant isolates in culture media QC
- Vegetable peptone based media for enivironmental monitoring in clean rooms and isolators to miminise the risk of TSE transfer
- Vegetable peptone based media for media fill testing with colour indicator to show early signs of contamination
- Chromogenic media for testing for Pharmaceutical objectionable organisms
- ***NEW*** production line for Petri dishes in 2015

CULTURE

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Pre-Poured Media – Plates, Bottles & Tubes

General Purpose Agar

Reference	Description	Presentation
AEB120650	Blood agar	10 Plates 90mm
43050	Columbia agar + 5% horse blood	20 Plates
43059	Columbia agar + 5% horse blood	100 Plates
43041	Columbia agar + 5% sheep blood	20 Plates
43049	Columbia agar + 5% sheep blood	100 Plates
43281	Eugon LT 100 agar	20 Plates
AEB123005	Meat Liver 0.6% agar	10 Tubes x 5ml
AEB111552	Meat Liver Dextrose broth	20 Tubes x 10ml
AEB123069	Meat Liver SR agar	100 Tubes x 20ml
AEB623066	Meat Liver SR agar	6 x 100ml
44241	Modified Letheen agar *	20 Plates
44283	Nutrient agar (slopes) *	50 x 5ml
AEB521970	Nutrient agar ISO 6579	20 Plates 90mm
AEB621956	Nutrient agar 2.8%	20 Plates 90mm
AEB121959	Nutrient agar 2.8%	100 x Tubes
AEB521960	Nutrient agar 2.8%	6 x 100ml
43558	Plate Count agar	20 Plates
42045	Plate Count agar (Standard Methods)	6 x 200ml
43551	R2A agar	20 Plates
44255	R2A agar *	10 x 250ml
AEB627356	Second Layer agar	6 x 100ml
43011	Trypcase Soy agar	20 Plates
43019	Trypcase Soy agar	100 Plates
41467	Trypcase Soy agar	6 x 100ml
41466	Trypcase Soy agar	6 x 200ml
42101	Trypcase Soy agar (slopes)	20 Tubes
44267	Trypcase Soy agar (slopes) *	50 x 15ml
43061	Trypcase Soy agar + 5% horse blood *	20 Plates
43001	Trypcase Soy agar + 5% sheep blood	20 Plates
43009	Trypcase Soy agar + 5% sheep blood *	100 Plates
44284	Urea agar (slopes) *	50 agar
44279	Yeast Extract agar *	20 Plates

* Standing orders required. This product may have a lead time, please contact us to discuss availability.

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Pre-Poured Media – Plates, Bottles & Tubes

General Purpose Broths & Diluents (page 1 of 2)

Reference	Description	Presentation
44363	0.1% Peptone (wnb) *	10 x 90ml
44359	0.1% Peptone + 0.3% Lecithin + 2% Tween *	10 x 90ml
44372	0.1% Peptone + 2% Tween *	50 x 9ml
44370	0.1% Peptone + 2% Tween *	10 x 90ml
44318	Bacteriological Peptone 0.1% *	50 x 9ml
AEB110109	Brain Heart Infusion broth	100 Tubes x 5ml
AEB110110	Brain Heart Infusion broth	100 Tubes x 10ml
AEB610104	Brain Heart Infusion broth	6 x 90ml
51009	Brain Heart Infusion	500g
42609	Buffered Peptone solution pH 7	6 x 90ml
42623	Buffered Peptone solution with neutralizers pH 7	6 x 90ml
44396	Buffered Sodium Chloride + 0.1% Peptone *	50 x 9ml
44395	Buffered Sodium Chloride + 0.1% Peptone + Neutralisers *	10 x 100ml
44272	Cooked Meat medium *	50 x 15ml
AEB620547	Dichloran Rose Bengal Chloramphenicol (DRBC) agar	6 x 200ml
AEB121431	Endo agar (agar with Lactose)	10 Plates 55mm
42070	Eugon LT 100 broth	20 Tubes x 9ml
42613	Eugon LT 100 broth *	6 x 50ml
33823	Eugon LT 100 broth *	4 x 250ml
AEB911493/4	Maximum Recovery Diluent	4 x 3 Litre Dilubag®
AEB611499L	Maximum Recovery Diluent	6 x 900ml
AEB611498	Maximum Recovery Diluent	6 x 225ml
AEB611496	Maximum Recovery Diluent	6 x 100ml
42021	Maximum Recovery Diluent	6 x 90ml
AEB611494	Maximum Recovery Diluent	6 x 90ml
AEB611492	Maximum Recovery Diluent	6 x 45ml
44348	Maximum Recovery Diluent *	50 x 9ml
AEB111499	Maximum Recovery Diluent	100 Tubes x 9ml
AEB611476	Maximum Recovery Diluent + Tween 2%	6 x 100ml
44319	Modified Letheen broth + Tween *	50 x 9ml
44377	Modified Letheen broth + Tween *	10 x 100ml
44539	Modified Letheen broth + Tween + Lecithin *	50 x 9ml

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

wnb – wide neck bottle.

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Pre-Poured Media – Plates, Bottles & Tubes

General Purpose Broths & Diluents (page 2 of 2)

Reference	Description	Presentation
44271	Nutrient broth *	50 x 9ml
AEB110802	Nutrient broth 1.3%	20 Tubes x 10ml
44286	Peptone water *	50 x 3ml
AEB110359	Peptone water without Indole	100 Tubes x 10ml
AEB110391	Physiological water 0.85%	100 Tubes x 5ml
AEB110390	Physiological water 0.85%	100 Tubes x 18ml
AEB610386	Physiological water 0.85%	6 x 100ml
AEB610387	Physiological water 0.85%	6 x 200ml
44287	Purified water *	50 x 4.5ml
AEB110889	Ringer 1/4 strength Solution	100 Tubes x 9ml
AEB610886	Ringer 1/4 strength Solution	6 x 100ml
44332	Saline Solution 0.85% *	50 x 3ml
AEB110379	Sterile Purified water	100 Tubes x 9ml
42113	Sterile Saline solution 0.85%	100 x 9ml
44320	Sterile Saline solution 0.85% *	50 x 9ml Tubes
33900	Supplemented Eugon LT 100 broth *	20 Tubes x 9ml
33899	Supplemented Eugon LT 100 broth *	6 x 50ml
33898	Supplemented Eugon LT 100 broth *	4 x 250ml
44430	T.A.T. broth *	90ml
44274	T.A.T. broth *	50 x 9ml
42074	Thioglycollate + resazurin	20 Tubes x 9ml
42100	Trypcase Soy broth	20 Tubes x 9ml
42614	Trypcase Soy broth *	6 x 90ml
41146	Trypcase Soy broth	6 x 100ml
44362	Trypcase Soy broth (wnb) *	10 x 90ml
44349	Trypcase Soy broth + 0.3% Lecithin + 2% Tween *	10 x 90ml
AEB611503 ***NEW***	Tryptic Soy broth	6 x 55ml
AEB611507	Tryptic Soy broth	6 x 200ml
44831	Universal Quenching Media *	10 x 100ml

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wnb – wide neck bottle.

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Pre-Poured Media – Plates, Bottles & Tubes

Biochemical Identification Media

Reference	Description	Presentation
AEB110062	Bile A 40% broth	20 Tubes x 10ml
AEB110109	Brain Heart Infusion broth	100 Tubes x 5ml
AEB110110	Brain Heart Infusion broth	100 Tubes x 10ml
AEB610104	Brain Heart Infusion broth	6 x 90ml
AEB121061	DNA agar	10 Plates 55mm
AEB620056	DNA agar	6 x 100ml
42086	Esculin agar	20 Tubes
42087	Kligler iron agar (stab/slope)	20 Tubes
AEB121559	Lysin Iron Sloping agar	100 Tubes
AEB130152	Manitol Nitrate Mobility agar	20 Tubes x 10ml
AEB130159	Manitol Nitrate Mobility agar	100 Tubes x 10ml
42085	Peptone water	20 Tubes x 9ml
AEB122909	Triple Sugar Iron agar	100 Tubes
44284	Urea agar (slopes) *	50 agar
AEB111542	Urea Indole broth	20 Tubes x 10ml
55752	Urea Indole medium	10 x 10ml

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3P™ Culture Media with LockSure™ Technology for Secure Environmental Monitoring Sampling

NEW 3P extended shelf-life

Novel, patented design for a lockable 90mm culture media plate, a standard feature of the 3P Environmental Monitoring media range.

- Plates in the unlocked position on receipt for ease of sampling
- Simple twist after sampling locks the lid
- Simple reverse twist unlocks it for reading or isolation of colonies

LockSure® provides additional assurance during the critical post-monitoring and transport stages.

- All the benefits of using 3P media
- Locked plates bring additional assurance
  - Reduce the risk of contamination post sampling
  - Reduce the occurrence of false positive results
  - Reduce deviations
  - Improve environmental monitoring trending
  - Contribute to the integrity of results

Sabouraud Dextrose 3P + Neutralizers Irradiated

Count-Tact and 90mm plates have orange coloured agar.

- Differentiation with TSA plates
- Improved discrimination of colonies

SDA 3P + neutralizers

TSA 3P

CULTURE

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Pharmaceutical Proven Performance

- Performance proven under real conditions using compendial strains and real Clean Room Isolates
- Can be used in the clean room and gassing isolator
- Flexible storage temperature: room temperature or refrigeration (2–25 °C)
- Media can be used on the last day of shelf-life
- QC – pharmacopoeia compliant >50% compared with controls
- QC – bioMérieux compliant >75% compared with a previously accepted batch of the same reference
- For secure environmental monitoring sampling:
  - LockSure® technology for 90mm plates
  - Count-Tact™ FIX system™ for Contact Plates
- Monolot and shelf-life requests can be accomodated with standing orders

Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

NEW 3P™ extended shelf-life

Pharmaceutical Applications (page 2 of 13)

3P Irradiated Media

96301	Bi-Box (double wrapped and irradiated)	10 x 10 Contact Plate Boxes
96311	Bi-Box 90 (double wrapped and irradiated)	10 x 10 90mm Plate Boxes
43691	Count-Tact 3P irradiated agar †	20 Contact Plates
43699	Count-Tact 3P irradiated agar †	100 Contact Plates
43288	Count-Tact 3P irradiated agar with ß Lactamase †	20 Contact Plates
96300	Count-Tact Applicator	One
43812	Count-Tact Sabouraud Dextrose 3P irradiated agar with neutralizers * †	20 Contact Plates
43814	Sabouraud Dextrose 3P irradiated agar with neutralizers *	20 Plates
43711	Trypcase Soy 3P irradiated agar	20 Plates
43169	Trypcase Soy 3P irradiated agar	100 Plates
43287	Trypcase Soy 3P irradiated agar with ß Lactamase	100 Plates
43811	Trypcase Soy 3P irradiated agar with neutralizers	20 Plates
43819	Trypcase Soy 3P irradiated agar with neutralizers	100 Plates

Optimised Neutralizers for the Most Stringent Disinfectants

410927	Count-Tact 3P irradiated agar with enhanced neutralizers * †	20 Plates
410974	Count-Tact 3P irradiated agar with enhanced neutralizers * †	100 Plates
410928	Trypcase Soy 3P irradiated agar with enhanced neutralizers *	20 Plates

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

† FIX system

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Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

Pharmaceutical Applications (page 3 of 13)

Irradiated Media

96301	Bi-Box (double wrapped and irradiated)	10 x 10 Contact Plate Boxes
96311	Bi-Box 90 (double wrapped and irradiated)	10 x 10 90mm Plate Boxes
43691	Count-Tact™ 3P irradiated agar †	20 Contact Plates
43699	Count-Tact 3P irradiated agar †	100 Contact Plates
43288	Count-Tact 3P irradiated agar with ß Lactamase †	20 Contact Plates
96300	Count-Tact Applicator	One
43812	Count-Tact Sabouraud Dextrose 3P irradiated agar with neutralizers * †	20 Contact Plates
43581	Count-Tact Sabouraud Dextrose irradiated agar with Chloramphenicol and neutralizers * †	20 Contact Plates
43814	Sabouraud Dextrose 3P irradiated agar with neutralizers *	20 Plates
43595	Sabouraud Dextrose Chloramphenicol irradiated agar *	20 Plates
43556	Trypcase Soy irradiated agar (140mm)	20 Plates
D1106	Trypcase Soy irradiated agar with Penicillinase * †	20 Contact Plates
43711	Trypcase Soy 3P irradiated agar	20 Plates
43169	Trypcase Soy 3P irradiated agar	100 Plates
43287	Trypcase Soy 3P irradiated agar with ß Lactamase	100 Plates
43811	Trypcase Soy 3P irradiated agar with neutralizers	20 Plates
43819	Trypcase Soy 3P irradiated agar with neutralizers	100 Plates

Optimised Neutralizers for the Most Stringent Disinfectants

410927	Count-Tact 3P irradiated agar with enhanced neutralizers * †	20 Plates
410974	Count-Tact 3P irradiated agar with enhanced neutralizers * †	100 Plates
410928	Trypcase Soy 3P irradiated agar with enhanced neutralizers *	20 Plates

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

† FIX system™

● Monolot and shelf-life requests can be accomodated with standing orders

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Powerful Partners

in your strategy for success

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Pre-Poured Media – Plates, Bottles & Tubes

Pharmaceutical Applications (page 5 of 13)

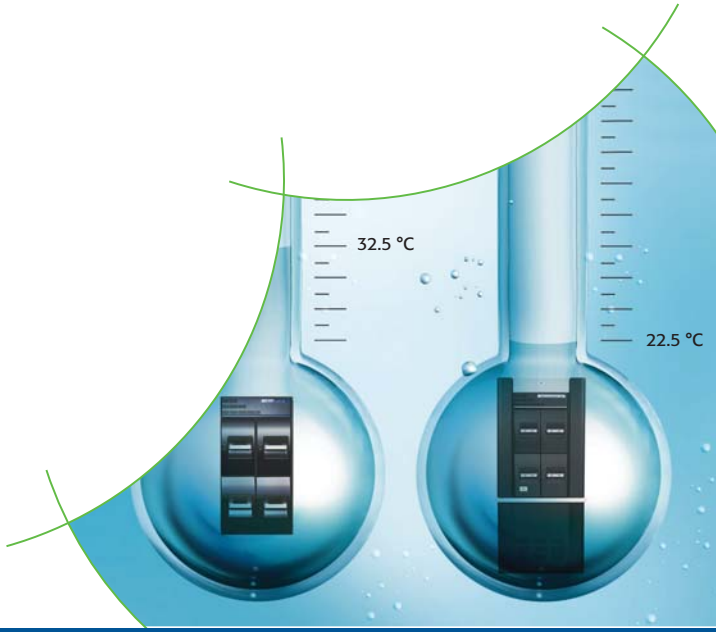
Sterility Testing Media

42634	Clear Thioglycollate broth with resazurin Clean Rooms	6 x 100ml
44021	Clear Thioglycollate irradiated broth with resazurin (EP, USP) *	12 x 100ml
42044	Rinsing Solution Fluid A (EP, USP)	12 x 100ml
33871	Rinsing Solution Fluid A (EP, USP)	6 x 200ml
42616	Rinsing Solution Fluid A (EP, USP)	4 x 300ml
42624	Rinsing Solution Fluid D (EP, USP)	4 x 300ml
42640	Rinsing Solution Fluid A Clean Rooms (EP, USP)	6 x 100ml
42644	Rinsing Solution Fluid D Clean Rooms (EP, USP)	6 x 100ml
42633	Trypcase Soy broth Clean Rooms	6 x 100ml
44011	Trypcase Soy broth (EP, USP) *	12 x 100ml

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

Automated Sterility Testing

To see our automated, growth based dual temperature Microbial Detection System that may be used for Sterility Testing, **CLICK HERE**.



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- Product information – Polycarbonate Bottles & Colorimetric Technology

Pre-Poured Media – Plates, Bottles & Tubes

Pharmaceutical Applications (page 6 of 13)

Media Fill Test

Reference	Description	Presentation
51102	TSB 3P™ irradiated Animal Peptones	500g
51101	TSB 3P irradiated Animal Peptones	5kg Drum
410783	TSB 3P irradiated Vegetable Peptones	500g
410782	TSB 3P irradiated Vegetable Peptones	5kg Drum
51104	TSB 3P irradiated Vegetable Peptones with colour indicator	500g
51103	TSB 3P irradiated Vegetable Peptones with colour indicator	5kg Drum

A New Vision TSB 3P – Flexible Options for Media Fill Tests & Process Simulation

- Traditional TSB 3P Animal Peptones
  - Certified sourced from countries TSE/BSE free
- Innovative TSB with colour indicator
  - Changes from pink to yellow if a unit is contaminated to facilitate reading
- Safe TSB 3P Vegetable Peptones
  - Same optimised performance but of non-animal origin
  - With or without colour indicator

Click play to view our Media Fill Test video.

CULTURE

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    - Swabs
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Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

Pharmaceutical Applications (page 8 of 13)

Contact Plates

96301	Bi-Box (double wrapped and irradiated)	10 x 10 Contact Plate Boxes
43501	Count-Tact™ agar †	20 Contact Plates
43691	Count-Tact 3P irradiated agar †	20 Contact Plates
43699	Count-Tact 3P irradiated agar †	100 Contact Plates
43288	Count-Tact 3P irradiated agar with ß Lactamase †	20 Contact Plates
410927	Count-Tact 3P irradiated agar with enhanced neutralizers *	20 Plates
410974	Count-Tact 3P irradiated agar with enhanced neutralizers *	100 Plates
96300	Count-Tact Applicator	One
43812	Count-Tact Sabouraud Dextrose 3P irradiated agar with neutralizers * †	20 Contact Plates
43580	Count-Tact Sabouraud Dextrose agar with Chloramphenicol and neutralizers †	20 Contact Plates
43581	Count-Tact Sabouraud Dextrose irradiated agar with Chloramphenicol and neutralizers * †	20 Contact Plates
43582	Count-Tact Trypcase Soy agar †	20 Contact Plates
43781	Count-Tact Violet Red Bile Glucose (VRBG) agar †	20 Contact Plates
43791	Count-Tact Yeast Glucose Chloramphenicol (YGC) agar †	20 Contact Plates
D1106	Trypcase Soy irradiated agar with Penicillinase * †	20 Contact Plates

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

† FIX system™

Count-Tact Applicator can be used to standardise surface testing

- Applies a uniform pressure of 500g ± 50g on the surface of the contact agar plate
- An audible alarm sounds after 10 seconds ± 1 second
- Reduces the risk of inter-personnel differences in sampling technique

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*air*IDEAL® 3P™ Traceability

Make Light Work of Active Air Monitoring

AIR IDEAL 3P™ Traceability

*air*IDEAL 3P Traceability has all of the benefits as before:

- Compact, light weight design (1.2kg)
- Can be used in the clean room and gassing isolator
- ISO 14698 validation for physical and biological efficiency, H_2O_2 isolator compatibility and air circuit decontamination
- 5 autoclavable sampling grids as standard
- Sequential sampling
- Sample volume up to 2,000 Litres
- Low battery warning and out of service alarm
- Visual signal for sampling issues

BIOMÉRIEUX INDUSTRY

CULTURE

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Pre-Poured Media – Plates, Bottles & Tubes

Pharmaceutical Applications (page 10 of 13)

Air Sampling

410174	*air*IDEAL® 3P™ Traceability (air sampler Contact Plates)	Instrument + 5 Sampling Grids
410175	*air*IDEAL 3P Traceability (air sampler 90mm Plates)	Instrument + 5 Sampling Grids
96304	Sampling Screen (Contact Plates)	One
96309	Sampling Screen (90mm)	One
96308	Tripod	One

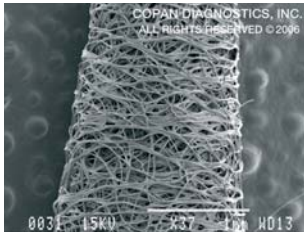
Swabs

43801	QUANTISWAB® (Triple Wrapped and Irradiated)	20 x 10 Swabs

Water Testing – Enumeration of Total Viable Aerobic Counts in Water

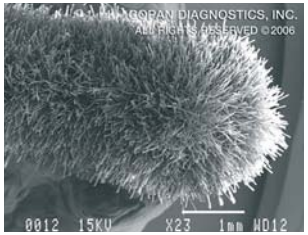
43551	R2A agar	20 Plates
44255	R2A agar *	10 x 250ml

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**



Electron Microscope Photograph of Traditional Fibre Wound Swab

Traditional fibre wound swabs create a matrix-like environment in which microorganisms are trapped, reducing recovery rates.



Electron Microscope Photograph of the Nylon™ Flocked QUANTISWAB

QUANTISWAB flocked with nylon microfibres has exceptional hydraulic capillary properties. Superior performance in recovery rates and release capacity compared with traditional swabs. Now with transport medium and tube, validated for 8 hours.

Click play to view a video demonstrating the ways in which QUANTISWAB can fit in with your sampling workflow (viewing time 1:30).

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Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

Pharmaceutical Applications (page 11 of 13)

Non-Sterile Product Testing Media (page 1 of 3)

Sample Preparation

42609	Buffered Peptone solution pH 7	6 x 90ml
42100	Trypcase Soy broth	20 Tubes x 9ml
42614	Trypcase Soy broth *	6 x 90ml
41146	Trypcase Soy broth	6 x 100ml

Total Aerobic Microbial Count

42609	Buffered Peptone solution pH 7	6 x 90ml
42623	Buffered Peptone solution with neutralizers pH 7	6 x 90ml
43011	Trypcase Soy agar	20 Plates
43019	Trypcase Soy agar	100 Plates
41467	Trypcase Soy agar	6 x 100ml
41466	Trypcase Soy agar	6 x 200ml

Total Combined Yeast & Mould Count

42609	Buffered Peptone solution pH 7	6 x 90ml
42623	Buffered Peptone solution with neutralizers pH 7	6 x 90ml
43555	Sabouraud Dextrose agar	20 Plates
42641	Sabouraud Dextrose agar	6 x 200ml
43596	Sabouraud Dextrose Chloramphenicol agar	20 Plates
42620	Sabouraud Dextrose Chloramphenicol agar	6 x 200ml

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Pre-Poured Media – Plates, Bottles & Tubes

Pharmaceutical Applications (page 12 of 13)

Non-Sterile Product Testing Media (page 2 of 3)

Bile Tolerant Gram Negative Bacteria (previously *Enterobacteriaceae*)

42608	Lactose broth *	6 x 90ml
42621	Mossel broth	6 x 100ml
43271	Violet Red Bile Glucose Lactose (VRBGL) agar	20 Plates

Escherichia coli

42609	Buffered Peptone solution pH 7	6 x 90ml
42623	Buffered Peptone solution with neutralizers pH 7	6 x 90ml
42100	Trypcase Soy broth	20 Tubes x 9ml
42614	Trypcase Soy broth *	6 x 90ml
41146	Trypcase Soy broth	6 x 100ml
42608	Lactose broth *	6 x 90ml
43141	MacConkey agar (with salt and crystal violet)	20 Plates
43149	MacConkey agar (with salt and crystal violet)	100 Plates
42622	MacConkey broth	6 x 100ml
44345	MacConkey broth (wnb) *	10 x 100ml

Pseudomonas

42609	Buffered Peptone solution pH 7	6 x 90ml
42623	Buffered Peptone solution with neutralizers pH 7	6 x 90ml
43565	Cetrimide agar *	20 Plates
44833	Cetrimide agar (medium N) *	20 Plates
42100	Trypcase Soy broth	20 Tubes x 9ml
42614	Trypcase Soy broth *	6 x 90ml
41146	Trypcase Soy broth	6 x 100ml

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

wnb – wide neck bottle.

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Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

Pharmaceutical Applications (page 13 of 13)

Non-Sterile Product Testing Media (page 3 of 3)

Salmonella

43601	Brilliant Green agar	20 Plates
42608	Lactose broth *	6 x 90ml
42110	Rappaport Vassiliadis (RVS) broth *	20 x 10ml
44326	Tetrathionate broth APHA *	50 x 10ml
42100	Trypcase Soy broth	20 Tubes x 9ml
42614	Trypcase Soy broth *	6 x 90ml
41146	Trypcase Soy broth	6 x 100ml
43563	Xylose Lysine Desoxycholate (XLD) agar	20 Plates
43564	Xylose Lysine Desoxycholate (XLD) agar *	100 Plates

Staphylococcus aureus

43521	Baird Parker agar	20 Plates
414954	Baird Parker agar *	120 Plates
42609	Buffered Peptone solution pH 7	6 x 90ml
42623	Buffered Peptone solution with neutralizers pH 7	6 x 90ml
43671	Mannitol Salt 2 agar	20 Plates
43679	Mannitol Salt 2 agar	100 Plates
42100	Trypcase Soy broth	20 Tubes x 9ml
42614	Trypcase Soy broth *	6 x 90ml
41146	Trypcase Soy broth	6 x 100ml

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    - Clostridia & A.S.R. Bacteria
    - *Cronobacter*
    - *E. coli, Enterobacteriaceae & Coliforms*
    - Lactic Acid Bacteria
    - Leuconostoc
    - *Listeria*
    - *Pseudomonas*
    - *Salmonella*
    - *Staphylococcus aureus*
    - Total Viable Count
    - *Vibrio*
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Chromogenic Media

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chromID Coli

- Detection and enumeration of *Escherichia coli* at 44 °C in food products
- Simultaneous enumeration of *E. coli* and other coliforms at 37 °C in food products
- Typical *E. coli* giving red colonies, other coliforms giving blue colonies

chromID O157:H7

- Selective isolation and presumptive identification of *E. coli* O157:H7 in food products
- Typical *E. coli* O157:H7 giving green to blue green colonies

chromID Salmonella

- Detection of *Salmonella* in food products
- Typical *Salmonella* species giving pale pink to mauve colonies

chromID Vibrio

- Isolation of *Vibrio* species and the presumptive identification of *Vibrio cholerae* and *Vibrio parahaemolyticus* from food
- Typically *V. parahaemolyticus* gives pink colonies, *V. cholerae/Vibrio vulnificus* give blue/blue-green/green colonies

chromID Lmono

- Detection and enumeration of *Listeria monocytogenes*
- Confirmation of presumptive positives from VIDAS® LMO2 or LMX
- *L. monocytogenes* are blue colonies without a halo
- Other species of *Listeria* are white or inhibited

Click on the product logos to take you to the relevant page in the Product List.

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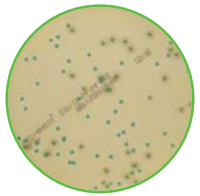
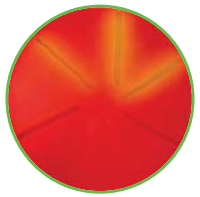
Chromogenic Media

ALOA®



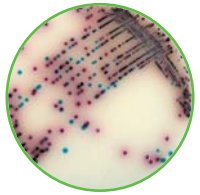
- Detection of *Listeria spp* and *Listeria monocytogenes* and enumeration of *Listeria monocytogenes* in food and environmental samples within 48 hours
- ALOA® is the ISO 11290 mandatory test

ALOA® *Confirmation*



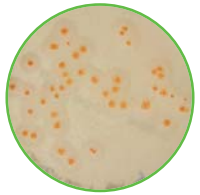
- Confirmation of *Listeria monocytogenes* from one single typical colony up to 6 confirmations per plate – simple and cost effective

ASAP®



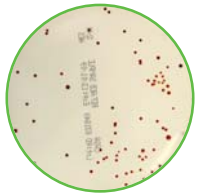
- Specific detection of *Salmonella*
- Chromogenic culture medium allowing the isolation of almost all the *Salmonella*
- Its high specificity enables you to avoid numerous confirmations
- Easy reading, compliant with NF EN ISO 6579, (V08-013), NF U 47-100

BACARA®



- Chromogenic medium for *Bacillus cereus* enumeration
- Protocol 1 bag, 1 plate
- High selectivity: no background flora
- No confirmation needed
- Incubation 24 hours at 30 °C
- Easy reading: orange colonies with typical halo

CASA®



- Specific culture medium for the detection and enumeration of thermotolerant *Campylobacter* in foodstuffs samples and specimen from patients
- On the CASA® agar, *Campylobacter* appear as red colonies in 24–48 hours. Other flora are inhibited by high selective reagents

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    - *Cronobacter*
    - *E. coli, Enterobacteriaceae & Coliforms*
    - Lactic Acid Bacteria
    - Leuconostoc
    - *Listeria*
    - *Pseudomonas*
    - *Salmonella*
    - *Staphylococcus aureus*
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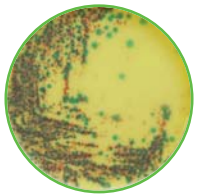
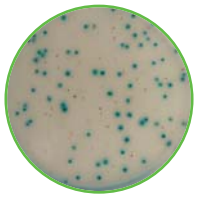
Chromogenic Media

IBISA®





- Alternative method for the detection of motile and non motile *Salmonella spp* within 48 hours
- Simple and convenient protocol: only 2 steps: 1 bag, 1 plate
- High selectivity and specificity
- Cost effective method compared to the ISO standard method
- Easy reading thanks to the colours contrast: green colonies of *Salmonella* on yellow agar
- Rapid confirmation within a few minutes
- Enrichment bags and plates can be stored for 72 hours in refrigerated conditions
- Traceability of the supplementation by colour change of the BPW

REBECCA®

- The only chromogenic medium that can enumerate *E. coli* and *enterobacteria* on the same plate
- Chromogenic medium for enumeration of *enterobacteria* and/or *E. coli*
- ISO 16140 Validation for *E. coli/enterobacteria* criteria
- No pre-incubation either confirmation needed
- Incubation 24 hours at 37 °C (one single temperature incubation)
- Ready to use diluents

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    - *Cronobacter*
    - *E. coli, Enterobacteriaceae & Coliforms*
    - Lactic Acid Bacteria
    - Leuconostoc
    - *Listeria*
    - *Pseudomonas*
    - *Salmonella*
    - *Staphylococcus aureus*
    - Total Viable Count
    - *Vibrio*
    - Yeasts & Moulds
- Water Testing Media
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- Incubation System: GENbag-GENbox
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- BacT/ALERT® for Sterility Applications
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Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

chromID by bioMérieux

Specific Media by Organism (page 4 of 14)

ALOA® ASAP® BACARA® IBISA® REBECCA®

Chromogenic Media

42630	chromID™ O157:H7	5 x 20ml
42605	chromID O157:H7	6 x 200ml
42017	chromID Coli	6 x 200ml
43661	chromID Lmono	20 Plates
42661	chromID Lmono	4 x 200ml + 4 x 2 supplement
43621	chromID Salmonella	20 Plates
43629	chromID Salmonella	100 Plates
43761	chromID Vibrio	20 Plates
AEB520080	ALOA®	20 Plates
AEB520079	ALOA	120 Plates
AEB120082	ALOA 140mm	10 Plates
AEB120100	ALOA Confirmation	10 Plates
AEB620088	ALOA Count (Kit)	5 x 200ml + supplement Qsp 200ml
AEB520090	ASAP®	20 Plates
AEB520089	ASAP	100 Plates
AEB520100	BACARA®	20 Plates
AEB120102	BACARA 140mm	10 Plates
AEB620106	BACARA with supplement	5 x 100ml
AEB520270	Campylobacter Selective agar (CASA®)	20 Plates
AEB520060	IBISA®	20 Plates
AEB520059	IBISA	120 Plates
AEB180045	IBISA supplement	40 Tests
AEB520020	REBECCA®	20 Plates
AEB620027	REBECCA Base	6 x 200ml
AEB184135	REBECCA supplement	10 x 6ml

CULTURE

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    - Lactic Acid Bacteria
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    - *Listeria*
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Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

Specific Media by Organism (page 5 of 14)

BACARA®

Anaerobes

44100	Anaerobe agar + 5% horse blood *	20 Plates
33624	Anaerobe agar + Neomycin + 5% horse blood	20 Plates
44021	Clear Thioglycollate irradiated broth with resazurin (EP, USP) *	12 x 100ml
43041	Columbia agar + 5% sheep blood	20 Plates
43049	Columbia agar + 5% sheep blood	100 Plates
44272	Cooked Meat medium *	50 x 15ml
42603	Iron Sulphite agar	6 x 200ml
42619	D-cycloserin supplement	6 x 2ml (Lyophilised)
55682	Kanamycin - Vancomycin mixture	8 x 1ml (Lyophilised)
41936	Schaedler agar (+ Vit. K3)	6 x 100ml
43401	Schaedler agar + 5% sheep blood	20 Plates
43279	Schaedler agar + 5% sheep blood *	100 Plates
42097	Schaedler broth + 0.02% agar (+ Vit. K3)	20 Tubes x 13ml
42098	Schaedler broth + 0.2% agar (+ Vit. K3)	20 Tubes x 13ml
42106	Schaedler broth (+ Vit. K3)	20 Tubes x 13ml
43223	Schaedler Neomycin Vancomycin agar + 5% sheep blood *	10 Plates
42074	Thioglycollate broth + resazurin	20 Tubes x 9ml
43061	Trypcase Soy agar + 5% horse blood *	20 Plates

To see our Anaerobic Incubation Systems, CLICK HERE.

Bacillus cereus

AEB520100	BACARA®	20 Plates 90mm
AEB120102	BACARA	10 Plates 140mm
AEB620106	BACARA with supplement	5 x 100ml
AEB521740	Bacillius cereus agar	20 Plates 90mm
AEB621736	Bacillius cereus agar Base	6 x 100ml
AEB184001/10	Bacillius cereus Polymixine B supplement	10 Vials
AEB180102	Egg Yolk Emulsion 50%	50ml
AEB680102	Egg Yolk Emulsion 50%	6 x 50ml
AEB680107	Egg Yolk Emulsion 50%	6 x 200ml

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CULTURE

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Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

Specific Media by Organism (page 6 of 14)

CASA®

Campylobacter

43471	CampyFood agar	20 Plates
42643	CampyFood broth	10 x 225ml MiniBags
42642	CampyFood broth	10 x 90ml MiniBags
AEB520270	Campylobacter Selective agar (CASA®)	20 Plates 90mm
AEB623327	Wang agar	6 x 200ml

To see our automated solutions for *Campylobacter* testing, CLICK HERE.

To find out more about *Campylobacter* testing methods via email, CLICK HERE.

Clostridia & A.S.R. Bacteria

AEB111051	Rosenow Cysteine agar	5 Tubes x 12ml
AEB122895	Tryptone Sulphite Cycloserine (TSC) agar Base	5 Tubes x 20ml
AEB122899	Tryptone Sulphite Cycloserine (TSC) agar Base	100 Tubes x 20ml
AEB622896	Tryptone Sulphite Cycloserine (TSC) agar Base	6 x 100ml
AEB622897	Tryptone Sulphite Cycloserine (TSC) agar Base	6 x 200ml
AEB622906	Tryptone Sulphite Cycloserine (TSC) Kit	6 x 100ml

To see our Anaerobic Incubation Systems, CLICK HERE.

Cronobacter

AEB520010	ESIA®	20 Plates 90mm
AEB150002	ESIA	500g
AEB611448	ESSB® Sakazakii broth	6 x 225ml
AEB110549	mLST broth	100 Tubes x 10ml
AEB610544	mLST broth	6 x 50ml

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Pre-Poured Media – Plates, Bottles & Tubes

chromID by bioMérieux REBECCA®

Specific Media by Organism (page 7 of 14)

E. coli, Enterobacteriaceae & Coliforms (page 1 of 2)

AEB110520	Brilliant Bile Green broth (single concentrated)	100 Tubes x 10ml
AEB110509	Brilliant Bile Green broth (double concentrated)	100 Tubes x 10ml
42630	chromID™ O157:H7	5 x 20ml
42605	chromID O157:H7	6 x 200ml
42017	chromID Coli	6 x 200ml
AEB110619AF	EC broth	100 Tubes x 10ml
AEB111380	EE Broth Mossel	100 Tubes x 10ml
AEB121431	Endo agar (agar with Lactose)	10 Plates 55mm
AEB120129	Glucose agar Enterobacteria	100 Tubes x 15ml
AEB110439	Glutamate broth (single concentrated)	100 Tubes x 10ml
AEB110449	Glutamate broth (double concentrated)	100 Tubes x 10ml
AEB110529	Laurylsulfate broth (single concentrated)	100 Tubes x 10ml
AEB110540	Laurylsulfate broth (double concentrated)	100 Tubes x 10ml
AEB121559	Lysin Iron Sloping agar	100 Tubes
44345	MacConkey broth (wnb) *	10 x 100ml
AEB130152	Manitol Nitrate Mobility agar	20 Tubes x 10ml
AEB130159	Manitol Nitrate Mobility agar	100 Tubes x 10ml
AEB611668	Modified TSB	6 x 225ml
AEB180253	Novobiocin Selective supplement 0.6%	20 Tubes x 5ml
AEB521310	Purple Lactose agar	20 Plates 90mm
AEB621307	Purple Lactose agar	6 x 200ml
AEB110452	Purple Lactose broth (single concentrated)	20 Tubes x 10ml
AEB110459	Purple Lactose broth (single concentrated)	100 Tubes x 10ml
AEB110462	Purple Lactose broth (double concentrated)	20 Tubes x 10ml
AEB520020	REBECCA® Enterobactericeae agar	20 Plates 90mm
AEB620027	REBECCA Base	6 x 200ml
AEB184135/10	REBECCA supplement	10 Qsp 1.2 Litre
AEB111229	Schubert broth	100 Tubes x 9ml

To see our automated solutions for *Enterobacteriaceae* testing, CLICK HERE.

To see our automated solutions for *E. coli* testing, CLICK HERE.

To see our automated solutions for *E. coli* O157:H7 testing, CLICK HERE.

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wnb – wide neck bottle.

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Pre-Poured Media – Plates, Bottles & Tubes

Specific Media by Organism (page 8 of 14)

E. coli, Enterobacteriaceae & Coliforms (page 2 of 2)

AEB522819	Tryptone Bile X-Glucuronide (TBX) agar	120 Plates 90mm
AEB122019	Tryptone Bile X-Glucuronide (TBX) agar	100 Tubes x 15ml
AEB622816	Tryptone Bile X-Glucuronide (TBX) agar	6 x 100ml
AEB622817	Tryptone Bile X-Glucuronide (TBX) agar	6 x 200ml
44185	Violet Red Bile Glucose (VRBG) agar *	20 Plates
AEB523210	Violet Red Bile Glucose (VRBG) agar	20 Plates 90mm
AEB523209	Violet Red Bile Glucose (VRBG) agar	120 Plates 90mm
AEB123209	Violet Red Bile Glucose (VRBG) agar	100 Tubes x 15ml
AEB623206	Violet Red Bile Glucose (VRBG) agar	6 x 100ml
AEB623207	Violet Red Bile Glucose (VRBG) agar	6 x 200ml
AEB523260	Violet Red Bile Lactose (VRBL) agar	20 Plates 90mm
AEB523259	Violet Red Bile Lactose (VRBL) agar	120 Plates 90mm
AEB123259	Violet Red Bile Lactose (VRBL) agar	100 Tubes x 15ml
AEB623256	Violet Red Bile Lactose (VRBL) agar	6 x 100ml
AEB623257	Violet Red Bile Lactose (VRBL) agar	6 x 200ml

To see our automated solutions for *Enterobacteriaceae* testing, CLICK HERE.

To see our automated solutions for *E. coli* testing, CLICK HERE.

To see our automated solutions for *E. coli* O157:H7 testing, CLICK HERE.

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CULTURE

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Pre-Poured Media – Plates, Bottles & Tubes

Specific Media by Organism (page 9 of 14)

Lactic Acid Bacteria

AEB624496	Lactoscore	6 x 100ml
AEB621576	M 17 agar	6 x 100ml
AEB621577	M 17 agar	6 x 200ml
AEB521760A	MRS agar pH 5.4 Acid	120 Plates 90mm
AEB621756A	MRS agar pH 5.4 Acid	6 x 100ml
AEB621757A	MRS agar pH 5.4 Acid	6 x 200ml
AEB521761V	MRS agar pH 5.7	120 Plates 90mm
AEB621756V	MRS agar pH 5.7	6 x 100ml
AEB621757VAF	MRS agar pH 5.7	6 x 200ml
AEB521760	MRS agar pH 6.4 Neutral	120 Plates 90mm
AEB621756N	MRS agar pH 6.4 Neutral	6 x 100ml
AEB621757N	MRS agar pH 6.4 Neutral	6 x 200ml
AEB110659	MRS broth	100 Tubes x 10ml
AEB621762	MRS Oxgall	6 x 200ml

To see our automated solutions for Lactic acid bacteria testing, CLICK HERE.

Leuconostoc

AEB621717	Mayeux Sandine Elliker	6 x 200ml

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Pre-Poured Media – Plates, Bottles & Tubes

chromID by bioMérieux ALOA®

Specific Media by Organism (page 10 of 14)

Listeria

AEB520080	ALOA® agar	20 Plates 90mm
AEB520079	ALOA agar	120 Plates 90mm
AEB120082	ALOA agar	10 Plates 140mm
AEB150072	ALOA agar Base	500g
AEB150073	ALOA agar Base	5kg
AEB120100	ALOA Confirmation agar	10 Plates 90mm
AEB620088	ALOA Count (Kit)	5 x 200ml + supplement Qsp 200ml
AEB684420	ALOA supplement	6 Qsp 500ml
AEB484204	ALOA supplement	4 Qsp 4 Litre
AEB110103	Brain Heart Infusion broth	100 Tubes x 3ml
43661	chromID™ Lmono	20 Plates
42661	chromID Lmono	4 x 200ml + 4 x 2 supplement
AEB110422S	Fraser Additive	20 Tubes x 10ml
42046	Fraser broth	6 x 225ml
AEB110429	Fraser broth	100 Tubes x 10ml
42072	Fraser broth	20 Tubes x 10ml
42627	Fraser broth (half) *	3 x 3 Litre Bags
AEB910913/4	Fraser broth (half)	4 x 3 Litre Dilubag®
AEB610419L	Fraser broth (half)	6 x 900ml
42727	Fraser broth (half) *	10 x 225ml MiniBags
42048	Fraser broth (half)	6 x 225ml
42112	Fraser broth (half) *	20 Tubes x 10ml
AEB522000	Listeria Oxford agar	20 Plates 90mm
AEB522050	Palcam agar	20 Plates 90mm
AEB522049	Palcam agar	120 Plates 90mm
AEB522865	Tryptone Soya Yeast Extract (TSYE) agar	20 Plates 90mm

To see our automated solutions for *Listeria* testing, CLICK HERE.

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Pre-Poured Media – Plates, Bottles & Tubes

chromID by bioMérieux ASAP

Specific Media by Organism (page 11 of 14)

Pseudomonas

44833	Cetrimide agar (medium N) *	20 Plates
AEB184018/10	Pseudomonas agar CFC	10 Qsp 500ml
AEB620266	Pseudomonas agar CFC Base	6 x 100ml
AEB620267	Pseudomonas agar CFC Base	6 x 200ml
AEB522100	Pseudomonas agar CFC ISO	20 Plates 90mm
44170	Pseudomonas Selective agar (C-F-C) *	20 Plates
44171	Pseudomonas Selective agar (C-N) *	20 Plates

Salmonella (page 1 of 2)

AEB520090	ASAP® agar	20 Plates 90mm
AEB520089	ASAP agar	120 Plates 90mm
AEB110101	Brain Heart Infusion broth	20 Tubes x 1ml
AEB521500	Brilliant Green agar	20 Plates 90mm
42629	Buffered Peptone water *	3 x 3 Litre Bags
AEB910303/4	Buffered Peptone water	4 x 3 Litre Dilubag®
AEB610309L	Buffered Peptone water	6 x 900ml
42729	Buffered Peptone water *	10 x 225ml MiniBags
42043	Buffered Peptone water	6 x 225ml
AEB610307	Buffered Peptone water	6 x 200ml
AEB610306	Buffered Peptone water	6 x 100ml
42042	Buffered Peptone water	6 x 90ml
42111	Buffered Peptone water	100 x 9ml
AEB610316	Buffered Peptone water (double concentrated)	6 x 100ml
AEB610315S	Buffered Peptone water + Tween 80 0.5g/l	6 x 100ml
AEB910323/4	Buffered Peptone water + Tween 80 5g/l	4 x 3 Litre Dilubag
AEB610329L	Buffered Peptone water + Tween 80 5g/l	6 x 900ml
43621	chromID™ Salmonella	20 Plates
43629	chromID Salmonella	100 Plates
AEB521160	Hektoen Enteric agar	20 Plates 90mm
AEB621157	Hektoen Enteric agar	6 x 200ml

To see our automated solutions for *Salmonella* testing, CLICK HERE.

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Pre-Poured Media – Plates, Bottles & Tubes

Specific Media by Organism (page 12 of 14)

IBISA®

Salmonella (page 2 of 2)

AEB520060	IBISA®	20 Plates 90mm
AEB520059	IBISA	120 Plates 90mm
AEB121559	Lysin Iron Sloping agar	100 Tubes
AEB110702	Muller Kauffmann Tetrathionate (MKTTn) broth	20 Tubes x 10ml
AEB110709	Muller Kauffmann Tetrathionate (MKTTn) broth	100 Tubes x 10ml
AEB121609	Muller Kauffmann Tetrathionate (MKTTn) broth	100 Tubes x 10ml
AEB620677	MSRV Novobiocin	6 x 200ml
55635	Oxidase Reagent	50 Ampoules x 0.75ml
MGNMID61G	Oxidase Strip	50 Tests
42110	Rappaport Vassiliadis (RVS) broth *	20 x 10ml
AEB110869	Rappaport Vassiliadis (RVS) broth	10 x 100ml
AEB522410	Salmonella Shigella agar	20 Plates 90mm
MGNF42	*Salmonella* spp Latex Kit	50 Tests
AEB125980	SALSA® (ASAP/XLD)	10 Bi-Plates
AEB526760	SALSA (ASAP/XLD)	20 Bi-Plates 90mm
AEB111270	Selenite Cystine broth	100 Tubes x 10ml
AEB111269	Selenite Cystine broth	100 Tubes x 20ml
AEB111262	Selenite Cystine broth	20 x 10ml
AEB611266	Selenite Cystine broth	6 x 100ml
AEB620067	SMS® (Simple Method For *Salmonella*)	6 x 200ml
44326	Tetrathionate broth APHA *	50 x 10ml
AEB523400	Xylose Lysine Desoxycholate (XLD) agar ISO 6579	20 Plates 90mm
AEB523399	Xylose Lysine Desoxycholate (XLD) agar ISO 6579	120 Plates 90mm
AEB523420	XLT4 agar	20 Plates 90mm
AEB523419	XLT4 agar	120 Plates 90mm

To see our automated solutions for *Salmonella* testing, CLICK HERE.

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    - *Cronobacter*
    - *E. coli, Enterobacteriaceae & Coliforms*
    - Lactic Acid Bacteria
    - Leuconostoc
    - *Listeria*
    - *Pseudomonas*
    - *Salmonella*
    - *Staphylococcus aureus*
    - Total Viable Count
    - *Vibrio*
    - Yeasts & Moulds
- Water Testing Media
- Food Environmental Monitoring
- Dehydrated Culture Media
- Incubation System: GENbag-GENbox
- TEMPO®: Automated Quality Indicator Test Solution
- BacT/ALERT® for Sterility Applications
- Product information – Polycarbonate Bottles & Colorimetric Technology

Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

Specific Media by Organism (page 13 of 14)

Staphylococcus aureus

43521	Baird Parker agar	20 Plates
414954	Baird Parker agar *	120 Plates
AEB620316	Baird Parker agar	6 x 100ml
43531	Baird Parker & RPF agar *	20 Plates
414955	Baird Parker & RPF agar *	120 Plates
44003	Baird Parker & RPF agar *	4 x 100ml
413696	Baird Parker & RPF agar	5 x 200ml
AEB520320S	Baird Parker + Sulfamethazine	20 Plates 90mm
AEB610216	Chapman Enrichment broth (double concentrated)	6 x 100ml
AEB110220	Chapman Enrichment broth (triple concentrated)	100 Tubes x 10ml
AEB121061	DNA agar	10 Plates 55mm
AEB620056	DNA agar	6 x 100ml
AEB180052	Egg Yolk Tellurite Emulsion Flask	50ml
AEB110399	Giolitti Cantoni broth (single concentrated)	100 Tubes x 10ml
AEB110400	Giolitti Cantoni broth (double concentrated)	100 Tubes x 10ml
AEB180403	Sulfamethazine 0.2%	20 Tubes x 2.5ml
AEB122959	TSN agar	100 Tubes x 20ml

To see our automated solutions for *Staphylococcus aereus* testing, CLICK HERE.

Total Viable Count

AEB621056	Flat-Sour Purple agar	6 x 100ml
AEB520710	Plate Count agar	20 Plates 90mm
AEB520709	Plate Count agar	120 Plates 90mm
AEB120709	Plate Count agar	100 Tubes x 15ml
AEB620706	Plate Count agar	6 x 100ml
AEB620707	Plate Count agar	6 x 200ml
AEB620717	Plate Count agar + Skim Milk	6 x 200ml
AEB621836	Sugar Free agar	6 x 100ml

To see our automated solutions for TVC (food) testing, CLICK HERE.

* Standing orders required. This product may have a lead time, please contact us to discuss availability.

CULTURE

- Product information – Media Preparation
- Product information – Sample Preparation
- Product information – Culture: Media
- Pre-Poured Media – Plates, Bottles & Tubes
  - General Purpose Agar
  - General Purpose Broths & Diluents
  - Biochemical Identification Media
  - Pharmaceutical Applications
  - Specific Media by Organism
    - Product information – Chromogenic Media
    - Chromogenic Media
    - Anaerobes
    - *Bacillus cereus*
    - *Campylobacter*
    - Clostridia & A.S.R. Bacteria
    - *Cronobacter*
    - *E. coli, Enterobacteriaceae & Coliforms*
    - Lactic Acid Bacteria
    - Leuconostoc
    - *Listeria*
    - *Pseudomonas*
    - *Salmonella*
    - *Staphylococcus aureus*
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Reference	Description	Presentation

Pre-Poured Media – Plates, Bottles & Tubes

chromID by bioMérieux

Specific Media by Organism (page 14 of 14)

Vibrio

413092	ASPW broth	6 x 225 ml
413091	ASPW broth	20 x 10ml
43761	chromID™ Vibrio	20 Plates
AEB523190	Vibrio TCBS agar	20 Plates 90mm

Yeasts & Moulds

AEB511279	DG18 agar	120 Plates 90mm
AEB611276	DG18 agar	6 x 100 ml
AEB520549	Dichloran Rose Bengal Chloramphenicol (DRBC) agar	120 Plates 90mm
AEB620547	Dichloran Rose Bengal Chloramphenicol (DRBC) agar	6 x 200ml
AEB521571	M-Green Yeast & Mould	120 Plates 55mm
AEB111559	M-Green Yeast & Mould	100 Tubes x 2ml
AEB180302	Oxytetracycline 0.1%	20 Tubes x 10ml
AEB622006	Oxytetracycline Glucose agar (Base)	6 x 100ml
AEB622007	Oxytetracycline Glucose agar (Base)	6 x 200ml
AEB184000/10	Oxytetracycline supplement	10 Qsp 500ml
AEB622080	PDYA	6 x 200ml
44173	Rose Bengal Chloramphenicol agar *	20 Plates
44819	Sabouraud Chloramphenicol agar *	20 Plates
AEB523510	Yeast Glucose Chloramphenicol (YGC) agar	20 Plates 90mm
AEB523509	Yeast Glucose Chloramphenicol (YGC) agar	120 Plates 90mm
AEB123503AF	Yeast Glucose Chloramphenicol (YGC) agar	100 Tubes x 15ml
AEB623506	Yeast Glucose Chloramphenicol (YGC) agar	6 x 100ml
AEB623507	Yeast Glucose Chloramphenicol (YGC) agar	6 x 200ml

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CULTURE

- Product information – Media Preparation
- Product information – Sample Preparation
- Product information – Culture: Media
- Pre-Poured Media – Plates, Bottles & Tubes
- Water Testing Media
  - *E. coli* & Coliforms
  - *Enterococci*
  - *Legionella*
  - *Pseudomonas*
  - *Staphylococci*
  - Sulphite Reducers
  - Total Viable Count
- Food Environmental Monitoring
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Water Testing Media

E. coli & Coliforms

REBECCA®

Reference	Description	Presentation
AEB190504	Kovacs Reagent	25ml
AEB190502	Kovacs Reagent	50ml
AEB120031	REBECCA® CF waters	10 Plates 55mm
AEB520031	REBECCA CF waters	120 Plates 55mm
AEB180502	TERGITOL 7 0.2%	20 Tubes x 5ml
AEB180504	TERGITOL 7 0.2% flask	25ml
AEB180506	TERGITOL 7 0.2% flask	100ml
AEB180507	TERGITOL 7 0.2% flask	200ml
AEB111373	TRYPTOPHAN broth	100 Tubes x 3ml
AEB180552	TTC 0.05%	20 Tubes x 5ml
AEB180554	TTC 0.05% flask	25ml
AEB180556	TTC 0.05% flask	100ml
AEB180557	TTC 0.05% flask	200ml
AEB121461	TTC TERGITOL 7	10 Plates 55mm
AEB521461	TTC TERGITOL 7	120 Plates 55mm
AEB111513C	TTC TERGITOL 7	100 Tubes x 2ml
AEB621456	TTC TERGITOL 7	6 x 100ml

Enterococci

AEB111059	Azide Dextrose broth (single concentrated)	100 Tubes x 10ml
AEB111070	Azide Dextrose broth (double concentrated)	100 Tubes x 10ml
AEB520360	Bile Aesculin agar	20 Plates 90mm
AEB120359	Bile Aesculin Azide agar	100 Tubes
AEB620356	Bile Aesculin Azide agar	6 x 100ml
AEB620357	Bile Aesculin Azide agar	6 x 200ml
AEB110559	Ethyl Violet Azide broth	100 Tubes x 10ml
AEB122661	SLANETZ agar	10 Plates 55mm
AEB522661	SLANETZ agar	120 Plates 55mm
AEB111514S	SLANETZ agar	100 Tubes x 2ml
AEB622656	SLANETZ base	6 x 100ml
AEB180602	TTC 0.2%	20 Tubes x 5ml
AEB180604	TTC 0.2% flask	25ml

BioBall® SingleShot 30 cfu is ideal used in a QC sample for water and waste-water testing, for more information **CLICK HERE**.

CULTURE

- Product information – Media Preparation
- Product information – Sample Preparation
- Product information – Culture: Media
- Pre-Poured Media – Plates, Bottles & Tubes
- Water Testing Media
  - *E. coli* & Coliforms
  - Enterococci
  - *Legionella*
  - *Pseudomonas*
  - *Staphylococci*
  - Sulphite Reducers
  - Total Viable Count
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Reference	Description	Presentation

Water Testing Media

Legionella

43013	*Legionella* BCYE with L-cysteine	10 Plates
43023	*Legionella* BCYE without L-cysteine	10 Plates
43031	*Legionella* GVPC medium	20 Plates
43032	*Legionella* GVPC medium	100 Plates
43831	*Legionella* MWY medium	20 Plates

Pseudomonas

AEB110022	Acetamide broth	20 Tubes x 5ml
AEB120251N	Pseudomonas CN	10 Plates 55mm
AEB520251N	Pseudomonas CN	120 Plates 55mm
AEB620247N	Pseudomonas CN	6 x 200ml
AEB121212	King A & B agar	20 Tubes x 7ml
AEB121212B	King B agar	20 Tubes x 7ml

Staphylococci

AEB120331	Baird Parker RPF	10 Plates 55mm
AEB120511	Mannitol Salt agar	10 Plates 55mm
AEB520511	Mannitol Salt agar	120 Plates 55mm
AEB520510	Mannitol Salt agar	20 Plates 90mm
AEB620507	Mannitol Salt agar	6 x 200ml

Sulphite Reducers

AEB122899E	Tryptone Sulphite Cycloserine (TSC) water	100 Tubes x 20ml
AEB622896E	Tryptone Sulphite Cycloserine (TSC) water	6 x 100ml
AEB122895E	Tryptone Sulphite Cycloserine (TSC) water base	5 Tubes x 20ml

Total Viable Count

AEB621906	Plate Count agar without glucose	6 x 100ml
AEB621907	Plate Count agar without glucose	6 x 200ml
AEB522811	TGE agar	120 Plates 55mm

BioBall® SingleShot 30 cfu is ideal used in a QC sample for water and waste-water testing, for more information **CLICK HERE**.

CULTURE

- Product information – Media Preparation
- Product information – Sample Preparation
- Product information – Culture: Media
- Pre-Poured Media – Plates, Bottles & Tubes
- Water Testing Media
- Food Environmental Monitoring
- Dehydrated Culture Media
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Food Environmental Monitoring

AIR IDEAL 3P™ Traceability

Air Sampling

Reference	Description	Presentation
410174	*air*IDEAL® 3P™ Traceability (air sampler Contact Plates)	Instrument + 5 Sampling Grids
410175	*air*IDEAL 3P Traceability (air sampler 90mm Plates)	Instrument + 5 Sampling Grids
96304	Sampling Screen (Contact Plates)	One
96309	Sampling Screen (90mm)	One
96308	Tripod	One

CULTURE

- Product information – Media Preparation
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- Product information – Culture: Media
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Dehydrated Culture Media (page 1 of 2)

Reference	Description	Presentation
AEB151952	2.8% Nutrient agar	500g
AEB150072	ALOA® agar base	500g
AEB150073	ALOA agar base	5kg
AEB684420	ALOA supplement	6 Qsp 500ml
AEB484204	ALOA supplement	4 Qsp 4 Litre
AEB184001/10	Bacillus cereus Polymixine B supplement	10 Qsp 500ml
AEB150302	Baird Parker agar base	500g
51025	D-Coccosel agar – Aesculia Bile agar	500g
51039	Blood agar base	500g
AEB140102	Brain Heart Infusion	500g
51094	Buffered Peptone water	500g
410310	Buffered Peptone water	1kg
AEB152142	Clostridium (RCM) agar	500g
51026	Columbia agar	500g
AEB180102	Egg Yolk Emulsion 50%	50ml
AEB680102	Egg Yolk Emulsion 50%	6 x 50ml
AEB680107	Egg Yolk Emulsion 50%	6 x 200ml
AEB180052	Egg Yolk Tellurite Emulsion Flask	50ml
AEB680052	Egg Yolk Tellurite Emulsion	6 x 50ml
51033	Eosin Methylene Blue agar	500g
AEB150002	ESIA®	500g
AEB140422	Fraser broth	500g
AEB140412	Half Fraser broth (Base with Antibiotics)	500g
AEB140413	Half Fraser broth (Base with Antibiotics)	5kg
AEB140417	Half Fraser broth (Base with Antibiotics)	10kg
AEB240409	Half Fraser broth (Base with Antibiotics)	Qsp 9 Litre
51050	Hektoen agar	500g
AEB152892	Iron Sulphite Base (TSC) agar	500g
AEB151572	M 17 agar	500g
AEB151702	Malt Extract agar	500g
51053	Mannitol Salt agar	500g
AEB140902	Muller Kauffmann Tetrathionate (MKTTn) broth	500g
AEB151752	MRS agar	500g
AEB140652	MRS broth	500g
AEB140672	MSRV	500g
AEB151732	MYP agar (Base)	500g

CULTURE

- Product information – Media Preparation
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Dehydrated Culture Media (page 2 of 2)

Reference	Description	Presentation
AEB184150/10	Novobiocine (MSRV Supplement)	10 Qsp 1 Litre
AEB150702	PCA Standard agar	500g
AEB151902	PCA Standard agar without Glucose	500g
AEB152052	PDYA agar	500g
AEB141492	Peptone water broth	500g
AEB184018/10	Pseudomonas agar CFC	10 Qsp 500ml
51035	Purple Lactose agar	500g
55182	Rabbit plasma	1 x 3.5ml
55181	Rabbit plasma	8 x 0.5ml
AEB150022	REBECCA® (Base)	
AEB184135	REBECCA supplement	1 Qsp 1.2 Litre
AEB184135/10	REBECCA supplement	10 Qsp 1.2 Litre
AEB152202	Sabouraud agar	500g
AEB152352	Sabouraud Chloramphenicol agar	500g
AEB170506	Skim Milk Powder	500g
AEB152702	SLANETZ Bartley (With TTC) agar	500g
AEB152812	TBX	500g
AEB175006	Technical agar	500g
AEB184002/10	Tryptone Sulphite Cycloserine (TSC) supplement	10 Qsp 500ml
51044	Trypcase Soy agar	500g
51019	Trypcase Soy broth	500g
AEB170106	Tryptone	500g
AEB151452	TTC TERGITOL 7 (Base)	500g
AEB153182	Vibrions TCBS agar	500g
AEB153202	Violet Red Bile Glucose (VRBG) agar	500g
AEB153252	Violet Red Bile (VRB) agar	500g
AEB171106	Yeast Extract	500g
AEB171109	Yeast Extract	5kg
AEB153502	Yeast Glucose Chloramphenicol (YGC) agar	500g

CULTURE

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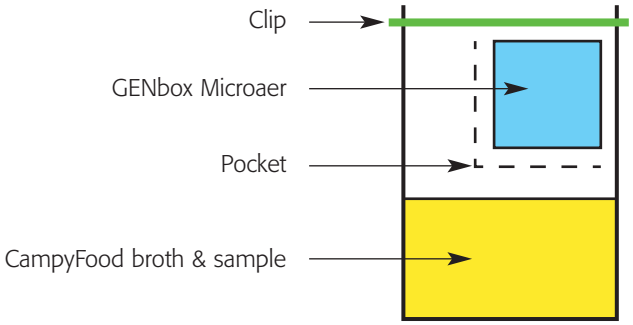
Incubation System: GENbag-GENbox

Reference	Description	Presentation
GENbag		
GENbag Kits (bags, generators and 2 clip seals)		
45534	GENbag Anaer (requires 96118)	20 Sachets
45533	GENbag CO_2	20 Sachets
45532	GENbag Microaer	20 Sachets
GENbox		
96127	GENbox 2.5L	12 Plate capacity
96128	GENbox 7L	42 Plate capacity
96129	GENbox Lid 2.5L	1 Lid
96130	GENbox Lid 7L	1 Lid
GENbox Kits (bags, generators and 2 clip seals)		
96124	GENbox Anaer (requires 96118)	10 Sachets
96126	GENbox CO_2	10 Sachets
96125	GENbox Microaer	10 Sachets
GENbag & GENbox Accessories		
30551	CombiBag (for use with 96125)	3 x 10 Bags
96118	GENbag/box Anaer indicator	50 Tests
45511	GENbag clip seals	Pack of 10

CombiBag for the isolation of *Campylobacter* species



CULTURE

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The First Automated Solution for
Quality Indicator Enumeration in Food Products

tempo

Managing the Variability of Workload & Optimising the Management of Your Team

- Same protocol for all parameters and food matrices
- Less than a day required for training for routine use
- Manages low to high throughput
- Automated reading
- Flexibility of reading period

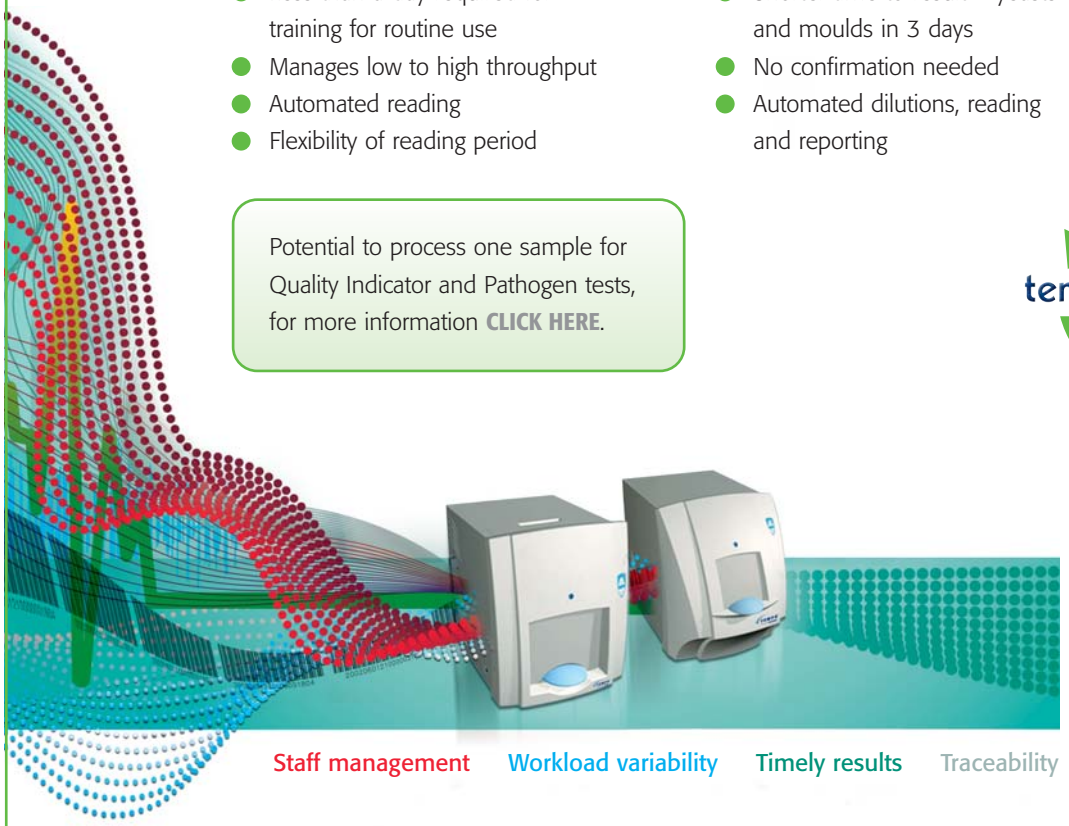
Providing Accurate and Timely Results

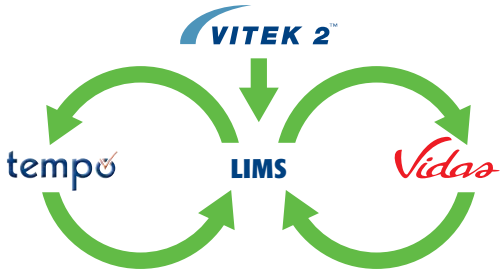
- Internationally validated and recognised – CLICK HERE for our ISO 16140 certificates
- Shorter time to result – yeasts and moulds in 3 days
- No confirmation needed
- Automated dilutions, reading and reporting

Traceability

- Barcode system
- Record of all steps
- Automated reporting
- Connection to LIMS
- Reduced transcriptions

Potential to process one sample for Quality Indicator and Pathogen tests, for more information CLICK HERE.





Be Switched On, Be Connected!

TEMPO® Ensures Consistent Quality Control

BIOMÉRIEUX INDUSTRY

CULTURE

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Confirmed Results with TEMPO®

Principle

- 16 tube MPN method but miniaturised and automated
- Specific culture media in vials used with the innovative TEMPO card
- Calculates the number of Quality Indicator organisms in the initial sample in cfu/g
- One TEMPO configuration performs up to 500 tests per day
- Multiple units can be linked to give greater capacity
- One broth can be used for Quality Indicator and Pathogen testing

TEMPO Workflow

- Four simple steps
  - Two steps you do already
  - Two steps are TEMPO specific
- Confirmation
  - One step you no longer have to do!

Click play to view our TEMPO video (viewing time 2:57 minutes)

Preparation of samples

Automatic dilution and inoculation on the TEMPO preparation station

Incubation in your standard incubator

Automatic reading and interpretation on the TEMPO reading station

CULTURE

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TEMPO® Accuracy is Recognised Worldwide by Validation Bodies Such as AFNOR & AOAC

Confirmed Results with TEMPO!

AC **411113 TEMPO AC**: Enumeration of aerobic mesophilic flora in as little as 24 hours.
- AFNOR/ISO 16140 BIO 12/35-05/13 (to see the AFNOR Certificate **CLICK HERE**)
- AOAC RI Performance Tested℠ Method

BC **80106 TEMPO BC**: Enumeration of *Bacillus cereus* group in 22–27 hours
- AOAC RI Performance Tested℠ Method – Certificate N° 071401
- ISO 16140 pending

EB **80003 TEMPO EB**: Enumeration of *Enterobacteriaceae* in 24 hours
- AFNOR/ISO 16140 BIO 12/21-12/06 (to see the AFNOR Certificate **CLICK HERE**)
- AOAC RI Performance Tested℠ Method – Certificate N° 050801

TC **80006 TEMPO TC**: Enumeration of total coliforms (ISO 4832 definition) in 24 hours
- AFNOR/ISO 16140 BIO 12/17-12/05 (to see the AFNOR Certificate **CLICK HERE**)

CC **80044 TEMPO CC**: Enumeration of coliforms according to the FDA-BAM definition in 24 hours
- AOAC RI Performance Tested℠ Method – Certificate N° 060702

EC **80004 TEMPO EC**: Enumeration of *Escherichia coli* in 24 hours
- AFNOR/ISO 16140 BIO 12/13-02/05 (to see the AFNOR Certificate **CLICK HERE**)
- AOAC OMA Official Method℠ – N° 2009.02
- AOAC RI Performance Tested℠ Method – Certificate N° 060803

STA **80002 TEMPO STA**: Enumeration of coagulase-positive Staphylococci (*Staphylococcus aureus*) in 24 hours
- AFNOR/ISO 16140 BIO 12/28-04/10 (to see the AFNOR Certificate **CLICK HERE**)
- AOAC RI Performance Tested℠ Method – Certificate N° 120901

LAB **80071 TEMPO LAB**: Enumeration of Lactic Acid Bacteria in 40–48 hours

YM **80001 TEMPO YM**: Enumeration of Yeasts and Moulds in 72–76 hours
- AOAC RI Performance Tested℠ Method – Certificate N° 041001

CULTURE

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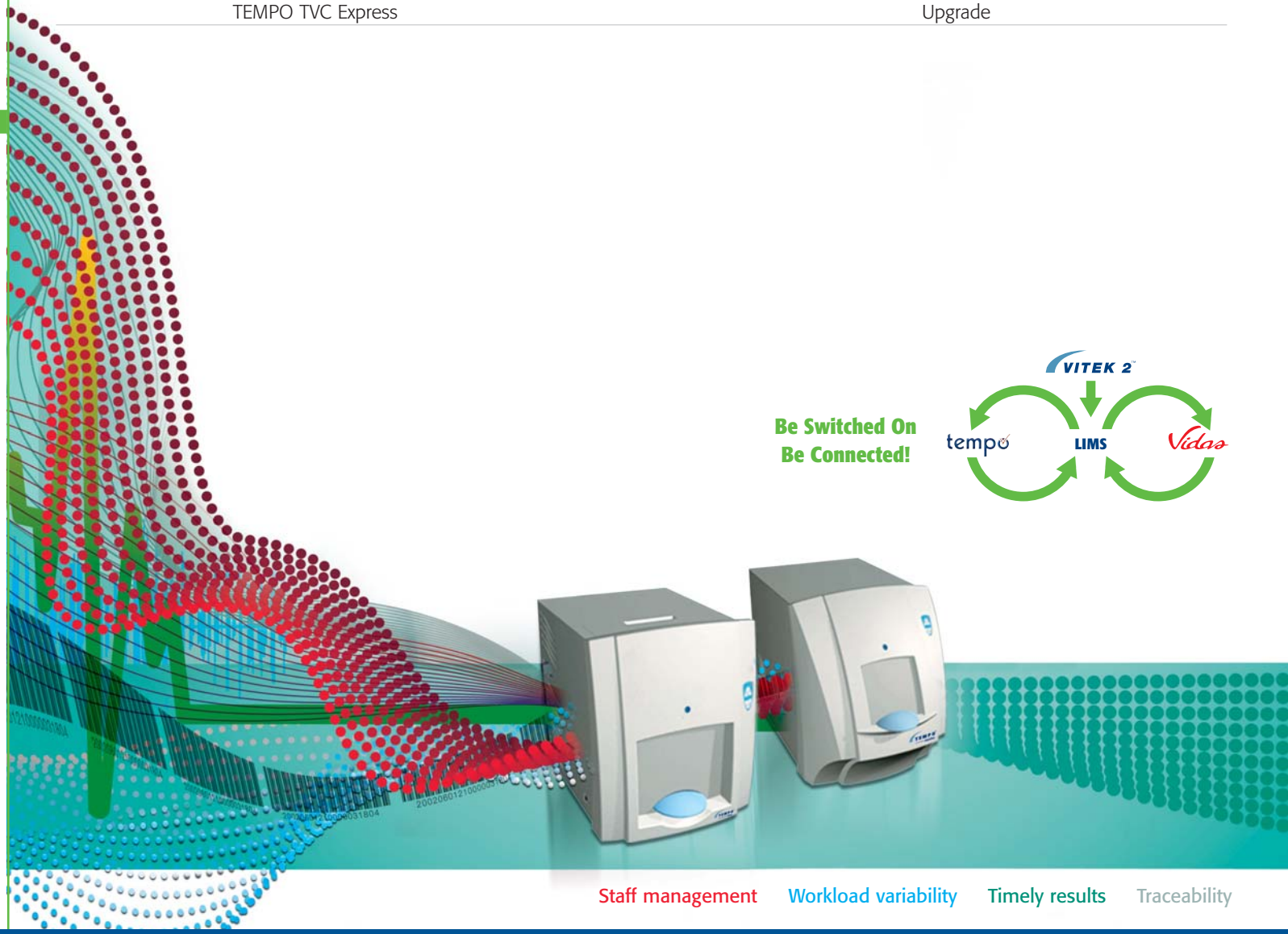
Reference	Description	Presentation

TEMPO®: Automated Quality Indicator Test Solution

tempo

TEMPO System

80029	TEMPO System	Instrument
	TEMPO TVC Express	Upgrade



BIOMÉRIEUX INDUSTRY

CULTURE

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Reference	Description	Presentation

TEMPO®: Automated Quality Indicator Test Solution

tempo

TEMPO Cards

Total Viable Counts

411113	TEMPO Aerobic Count *	48 Tests (Cards & Media)
80007	TEMPO Total Viable Count *	48 Tests (Cards & Media)

Bacillus cereus

80106 ***NEW***	TEMPO Bacillus cereus *	48 Tests (Cards & Media)

Enterobacteriaceae

80003	TEMPO Enterobacteriaceae *	48 Tests (Cards & Media)

Total Coliforms

80006	TEMPO Total Coliforms *	48 Tests (Cards & Media)

Coliform Count (FDA BAM)

80044	TEMPO Coliform Count *	48 Tests (Cards & Media)

Escherichia coli

80004	TEMPO Escherichia coli *	48 Tests (Cards & Media)

Lactic Acid Bacteria

80071	TEMPO Lactic Acid Bacteria *	48 Tests (Cards & Media)

Staphylococcus aureus

80002	TEMPO Staphylococcus aureus *	48 Tests (Cards & Media)

Yeasts & Moulds

80001	TEMPO Yeast & Moulds *	48 Tests (Cards & Media)

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

CULTURE

- Product information – Media Preparation
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  - TEMPO Accessories
- BacT/ALERT® for Sterility Applications
- Product information – Polycarbonate Bottles & Colorimetric Technology

Reference	Description	Presentation

TEMPO®: Automated Quality Indicator Test Solution

TEMPO Accessories

80015	TEMPO Bags	500 Filter Bags
80055	TEMPO Colour Cards (Incubation management tool)	24 Cards
V1200	Saline Dispenser	One
80014	TEMPO Dispenser bottles	10 Bottles
80011	TEMPO Filler tray	One
80054	TEMPO White Boards (Incubation management tool)	One
80000	TEMPO QC *	1 Control Set
80012	TEMPO Reader trays	Two
00118	Food Safety Handbook	One
	Notebook 1	One

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

Food Safety Handbook: Microbiological Challenges

The Food Safety Handbook presents an easy to read overview on the current worldwide food safety situation and explains the challenges facing the array of stakeholders along the food chain in the context of a global food market.

It provides extensive information on today's important foodborne pathogens and includes other related food safety topics, from the implementation of HACCP plans, to future laboratory diagnostic tools and emerging foodborne pathogens etc.

The book benefits from the experience of more than 20 international experts with diverse expertise and styles. It aims to provide a modern approach to this increasingly complex issue.

Notebook 1

The bioMérieux Industry Introductory Notebook on 'Microbiological Indicators in the Food Industry' is the first in a novel series af articles of this theme.

This Notebook is co-authored by Lee-Ann Jaykus, North Carolina State University, US and Peter McClure, Unilever, UK and provides an insight into the history and use of microbiological indicators in the food industry from a US and EU perspective. Presented in an easy-to-read format, it provides a sound introduction for subsequent Notebooks which will focus on Microbiological Indicators in specific food categories. It represents an important reference for all those concerned with microbiological food quality and safety including food industry professionals, university lecturers and students.

CULTURE

- Product information – Media Preparation
- Product information – Sample Preparation
- Product information – Culture: Media
- Pre-Poured Media – Plates, Bottles & Tubes
- Water Testing Media
- Food Environmental Monitoring
- Dehydrated Culture Media
- Incubation System: GENbag-GENbox
- TEMPO®: Automated Quality Indicator Test Solution
- BacT/ALERT® for Sterility Applications
  - Product information – BacT/ALERT and VIRTUO™
  - BacT/ALERT Bottles
  - BacT/ALERT Consumables & Accessories
- Product information – Polycarbonate Bottles & Colorimetric Technology

VirtuO™ BacT/ALERT

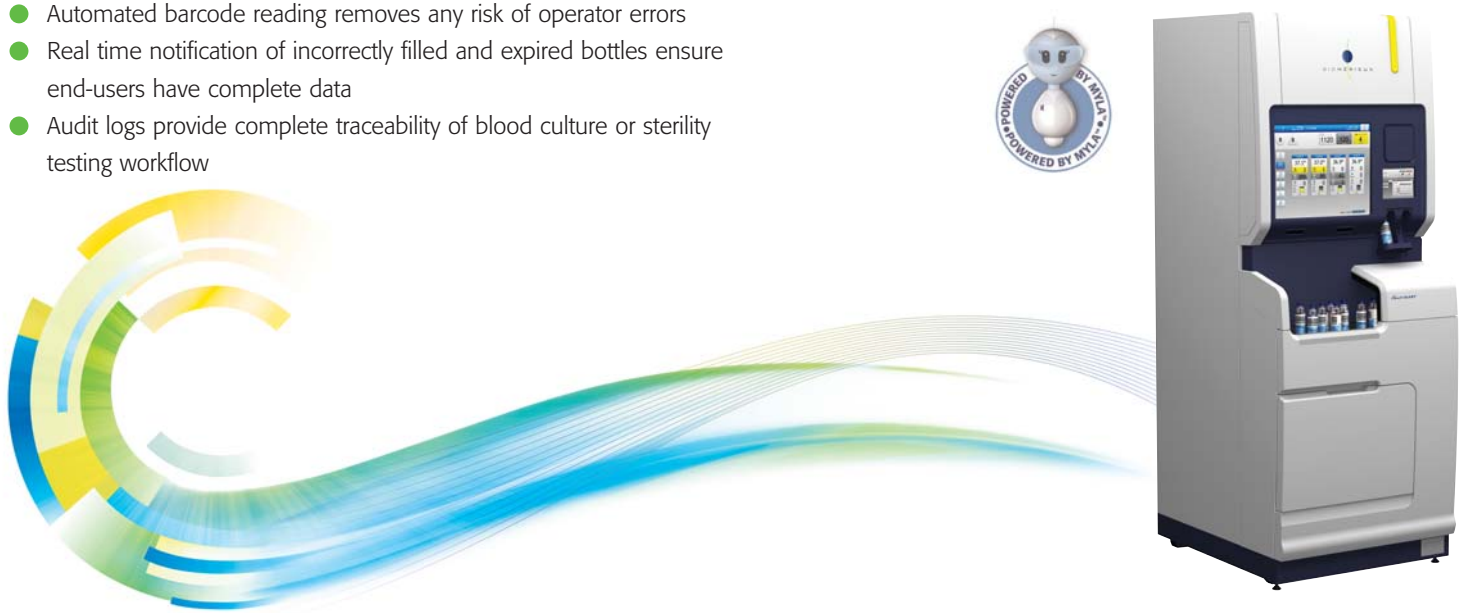
VIRTUO™ – Next Generation of BacT/ALERT®

Microbial Detection System That May Be Used For Sterility Testing

VIRTUO is incredibly easy to use ensuring all staff can easily place bottles on to the conveyor belt. The instrument will automatically scan bottle barcodes and sample numbers. VIRTUO will also check and alert users in 'real time' if bottles are loaded with an incorrect volume of sample or if they have passed their expiration date.

All routine maintenance on the BacT/ALERT VIRTUO is fully automated with no requirement for any daily, weekly or monthly intervention by staff.

- Innovative algorithms reduce time to detection providing faster results
- Automated loading and unloading of bottles reduces hands on time
- Automated barcode reading removes any risk of operator errors
- Real time notification of incorrectly filled and expired bottles ensure end-users have complete data
- Audit logs provide complete traceability of blood culture or sterility testing workflow



BIOMÉRIEUX INDUSTRY

CULTURE

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  - BacT/ALERT Consumables & Accessories
- Product information – Polycarbonate Bottles & Colorimetric Technology

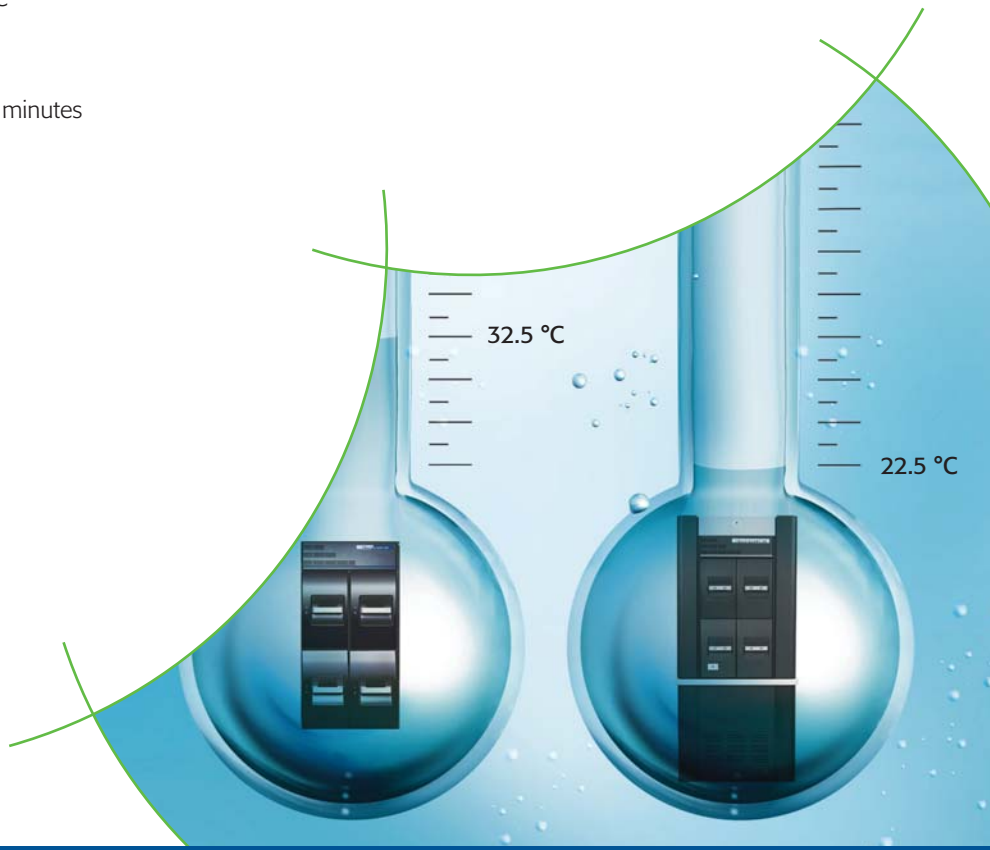
BIOMÉRIEUX INDUSTRY

BacT/ALERT 3D™ Dual-T

VIRTUO | BacT/ALERT 3D Dual-T

The First **Fully Automated,** Growth Based **Dual Temperature Microbial Detection System** That May Be Used For Sterility Testing

- A rapid microbial method that provides an alternative to the compendial method for sterility testing
- Samples can be incubated at 32.5 °C and 22.5 °C
- Robust detection of bacteria, yeasts and moulds
- Bottles are inoculated directly with a sample
- Continuous monitoring, bottles are read every 10 minutes
- Objective test results
- No manual reading
- Implementation guide to assist in validation



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  - BacT/ALERT Bottles
  - BacT/ALERT Consumables & Accessories
- Product information – Polycarbonate Bottles & Colorimetric Technology

BacT/ALERT® for Sterility Applications

BacT/ALERT 3D™

Reference	Description	Presentation
BacT/ALERT Bottles		
259789	BacT/ALERT SA Standard Aerobic Culture bottles	100 Bottles
259790	BacT/ALERT SN Standard Anaerobic Culture bottles	100 Bottles
410851	BacT/ALERT FA Plus Aerobic Culture bottles	100 Bottles
410852	BacT/ALERT FN Plus Anaerobic Culture bottles	100 Bottles
279018	BacT/ALERT BPA Culture bottles	100 Bottles
279019	BacT/ALERT BPN Culture bottles	100 Bottles
259786	BacT/ALERT iAST Culture bottles	100 Bottles
259785	BacT/ALERT iNST Culture bottles	100 Bottles
412990	BacT/ALERT iFA Plus Aerobic Culture bottles	100 Bottles
412995	BacT/ALERT iFN Plus Anaerobic Culture bottles	100 Bottles
410853	BacT/ALERT PF Plus Paediatric Culture bottles	100 Bottles
251062	BacT/ALERT iFA Anaerobic Culture bottles	100 Bottles
259788	BacT/ALERT iLYM Culture bottles	100 Bottles
BacT/ALERT Consumables & Accessories		
233766	BacT/ALERT Airway Sub vent units	100
279012	BacT/ALERT Adaptor caps (blue)	120
279013	BacT/ALERT Adaptor inserts (blue)	60
940-0046-01	Bottle Transport Rack	48 Wells
259662	Generic Barcode Labels	2,000
419142 ***NEW***	IT2 Safety Subculture Unit	60
413200	Greiner Blood Collection Holder	320

SA

SN

FA Plus

FN Plus

PF Plus

CULTURE

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- Product information – Polycarbonate Bottles & Colorimetric Technology

Polycarbonate Bottles

BacT/ALERT 3D™

Our users also benefit from bioMérieux's revolutionary, virtually unbreakable, polycarbonate culture bottles.

These offer enhanced safety as glass is removed from the workplace. The bottles are also significantly lighter than glass ensuring that waste disposal costs are minimal.

Negative Bottle

Positive Bottle

Colorimetric Technology

The BacT/ALERT® 3D system uses the most up to date colorimetric technology. This offers improved time to detection in two ways:

First, they provide visual notification of positive bottles as they arrive in the laboratory. This means that bottles may be sub-cultured before they are loaded onto the system thereby improving the turn around time.

Also delayed entry bottles will flag positive two hours after loading. There is no need to wait until these positive bottles enter the next phase of the bacterial life cycle before flagging.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Delivering Confidence in Quantitative Microbiology

BioBall™

BioBall® contains a precise number of microorganisms in a water soluble ball. BioBall offers unprecedented accuracy for a range of microbiological applications where precise innocula are critical, eliminating variation and time-consuming preparation.

CLICK HERE to visit the BioBall website

BioBall Advantages

- Precise known number of cfu
- Shelf life after re-hydration
  - 8 hours with BioBall Re-Hydration Fluid
  - 14 days with BioBall 14 day Re-Hydration Fluid
- Minimal preparation time and easy to use
- No pre-incubation
- Can be added directly to culture media or product samples
- Consistent number of cfu batch to batch
- Minimises risk of 'Failed QC' due to variability of the control
- Shelf-life up to 24 months when stored frozen
- BioBall range for **GROWTH PROMOTION**, **STERILITY ASSURANCE TESTING** and **ANTIMICROBIAL EFFECTIVENESS TESTING**
- **BioBall CUSTOM SERVICES** for the flexibility to make BioBall to meet all of your requirements

For more information

CLICK HERE to see how we manufacture BioBall (video, 1:36 min).

CLICK HERE to download the most up to date available strains list.

CLICK HERE to download the Certificate of Analysis.

CLICK HERE to download the Instructions for Use.

CLICK HERE to download the Product Notes.

CLICK HERE to download the Verification Protocol.

CLICK HERE to download the most up to date BioBall brochure.

1. Tip BioBall on the plate centre

2. Re-hydrate the BioBall

3. Spread, dry and incubate

4. Plate with 30 colonies

BIOMÉRIEUX INDUSTRY

QC ORGANISMS

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LyfoCults® Plus
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Delivering Confidence in Quantitative Microbiology

BioBall™

BTF holds accreditation for ISO Guide 34: General Requirements for the Competence of Reference Material Producers.

The specific requirements of this accreditation focus on the quality control of the production process and finished product. BTF were the first to obtain this accreditation, gained through the National Association and Testing Authority (NATA), Australia's accreditation body. BTF ISO Guide accredited reference materials can be used with confidence in ISO/IEC 17025 accredited facilities.

BTF's ISO Guide 34 accredited products:

- BioBall® SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu

Please use the links below to review our accreditation certificate and the scope of our accreditation:

For a copy of our ISO Guide 34 Accreditation, **CLICK HERE**.

For our ISO Guide 34 Scope of Accreditation, **CLICK HERE**.

BIOMÉRIEUX INDUSTRY

QC ORGANISMS

BioBall®
Product information – BioBall
BioBall SingleShot 30 cfu
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BioBall MultiShot 10^8 cfu
Customised BioBall Products
Product information – BioBall Custom Services
LyfoCults® Plus
Product information – LyfoCults Plus
VITEK® MS QC & Calibration Strains
Individual QC Strains

Delivering Confidence in Quantitative Products

BioBall™

SingleShot 30 cfu

With a mean of between 28–33 cfu and a standard deviation (SD) of 3 cfu, SingleShot is designed for a precise single inoculation.

Ideal for applications including as a positive control for media QC, pathogen testing in the food industry or for water and waste water testing.

Click play to view a video demonstrating how to use BioBall® SingleShot for Pharmaceutical Growth Promotion Testing (viewing time 1:45).

For instructions on how to use, CLICK HERE.

MultiShot 550 cfu

Designed for re-hydration into 1.1mL of MultiShot 550 Re-Hydration Fluid to provide 10 x 100µL doses of 50 cfu (shelf-life of 8 hours or 14 days following re-hydration).

Ideal for pharmaceutical media QC where multiple positive controls in the 10 to 100 cfu range are required.

Click play to view a video demonstrating how to use BioBall MultiShot 550 with BioBall Re-Hydration Fluid for Pharmaceutical Growth Promotion testing (viewing time 2:15).

Click play to view a video demonstrating how to use BioBall MultiShot 550 with BioBall 14 Day Re-Hydration Fluid for convenience and greater efficiency where lower numbers of quantitative tests are performed daily (viewing time 2:38).

For instructions on how to use, CLICK HERE.

HighDose 10K cfu

With a mean of between 8,000–12,000 cfu (SD of ≤ 15% of the mean). Designed for a single precise inoculation at a higher cfu level.

Ideal as a positive control for the validation of food testing methods, where a higher cfu inoculation is required.

For instructions on how to use, CLICK HERE.

MultiShot 10^8 cfu

With mean of between 0.7 and 1.5 x 10^8 cfu (SD of ≤ 20% of the mean). Designed for re-hydration into 1.1 mL of BioBall Re-Hydration Fluid to provide 10 x 100µL doses of 10^7 organisms. Simplifies preparation and provides a precise inoculum for Preservative Efficacy Testing (PET) in the pharmaceutical and cosmetics industries.

Click play to view a video demonstrating how to use BioBall MultiShot 10^8 (viewing time 1:26).

For instructions on how to use, CLICK HERE.

Mixed Kits

BioBall Mixed Kits can provide greater convenience and flexibility. These kits contain the most relevant pharmacopoeia strains required for quantitative microbiology.

BioBall is available in five different mixed kit configurations:

- BioBall SingleShot Mixed Kit for Growth Promotion Testing
- BioBall SingleShot Mixed Kit for Sterility Assurance Testing
- BioBall MultiShot 550 Mixed Kit for Growth Promotion Testing
- BioBall MultiShot 550 Mixed Kit for Sterility Assurance Testing
- BioBall MultiShot 10^8 Mixed Kit for Antimicrobial Effectiveness Testing

QC ORGANISMS

BioBall®
Product information – BioBall
BioBall SingleShot 30 cfu
BioBall MultiShot 550 cfu
BioBall HighDose 10K cfu
BioBall MultiShot 10^8 cfu
Customised BioBall Products
Product information – BioBall Custom Services

LyfoCults® Plus
Product information – LyfoCults Plus
VITEK® MS QC & Calibration Strains
Individual QC Strains

Delivering Confidence in Quantitative Products

BioBall™

BioBall® Plant Isolate

Custom BioBall products can be manufactured to suit specific needs. We currently offer two custom services, BioBall Plant Isolate and BioBall Select.

Although not a Pharmacopoeial requirement, there are several guidelines that recommend the use of environmental plant isolates and these include:

- USP <1116>, USP <1117> and USP <1072>
- FDA guidance for Industry for Sterile Drug Products produced by Aseptic Processing – Current GMP
- FDA Guidance for Industry concerning Validation of Growth-Based Rapid Microbiological Methods for Sterility Testing of Cellular and Gene Therapy Products

The Value of Plant Isolates in Pharma Quality' by Myatt, D. and Morgan, C. (PDA Letters, July/August 2011) can be downloaded if you **CLICK HERE**. This poster reviews the regulatory expectation regarding the inclusion of Plant Isolates in the Quality Control of environmental monitoring culture media against the practicalities involved.

	Single Dose 60 cfu	Multi Dose 550 cfu
Mean cfu	60 cfu +/- 20%	450-650 cfu
Standard Deviation	<20%	<20%
Minimum number of vials per strain	100 vials (100 tests)	100 vials (1,000 tests)
Expiration from date of manufacture	12 months	12 months

Figure 1. BioBall Plant Isolate Formats

Preserving and culturing plant isolates and maintaining culture collections of such strains can be a challenging and costly experience. BioBall Plant isolate is a service that can provide a stable and quantitative plant isolate strain that is minimally passaged since isolation. The service provides all of the benefits of BioBall but with your Plant Isolate.

- Any Strains from an in-house collection can be used to manufacture a BioBall Plant Isolate for example, environmental monitoring isolates or contaminants of products or raw materials
- Available in two formats (see figure 1)
- Certificate of Analysis supplied with actual Mean cfu and standard deviation for each batch of BioBall Plant Isolate
- No upfront costs and if the specification cannot be met, no charges
- BTF will organise everything from collecting strains to delivery of the BioBall back to site
- **CLICK HERE** to see our commitment to superlative service in our Custom Service Charter

For more information on BioBall Plant Isolate please contact your local product specialist or ask us to contact you, **CLICK HERE**.

To download the BioBall Plant Isolate electronic brochure **CLICK HERE**.

Shelf-life extension available

QC ORGANISMS

BioBall®
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BioBall SingleShot 30 cfu
BioBall MultiShot 550 cfu
BioBall HighDose 10K cfu
BioBall MultiShot 10^8 cfu
Customised BioBall Products
Product information – BioBall Custom Services

LyfoCults® Plus
Product information – LyfoCults Plus
VITEK® MS QC & Calibration Strains
Individual QC Strains

Delivering Confidence in Quantitative Products

BioBall™

BioBall® Plant Isolate

Shelf-life extension available

Frequently Asked Questions

What organisms have been made into BioBall Plant Isolates already?

Isolates already manufactured include many common plant isolates: *Staphylococcus epidermidis, Sphingomonas paucimobilis, Ralstonia picketti, Kocuria varians* and *Proprionibacterium acnes*. Globally, over 80 different strains have been turned into BioBall Plant Isolates.

Is there a requirement to change the Plant Isolates used every 12 months?

Currently, there is no regulatory requirement to change these every 12 months.

What happens to any BioBall Plant Isolates that haven't been used within the 12 months shelf-life?

Our shelf-life extension service can be used to give a further 12 months.

BioBall Select

BioBall can be manufactured with any strain selected from specified culture collections (DSMZ or NCTC) and at any cfu level required (5 cfu–10^8 cfu).

For more information on BioBall Select please contact your local product specialist or ask us to contact you, **CLICK HERE**.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
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- Individual QC Strains

Delivering Confidence in Applications

BioBall™

The pharmaceutical industry is required to perform culture media QC with controls in the range of 10 to 100 cfu for growth promotion. BioBall® has three product types in the range that are ideal for these QC applications.

BioBall Mixed Kits contain the relevant pharmacopoeia strains required for quantitative QC in **SingleShot** and **MultiShot** product presentations.

- BioBall MultiShot 550 used with BioBall Re-Hydration Fluid for:
  - 10 x doses of 50 cfu with 8 hours stability on re-hydration
  - 10 x doses of 50 cfu with 14 days stability after re-hydration

For the BioBall SingleShot Mixed Kit, **CLICK HERE**

- BioBall SingleShot for a single precise dose of 30 cfu

For the BioBall MultiShot Mixed Kit, **CLICK HERE**

If plant isolates are required in addition to compendial strains, these can be provided using our BioBall Plant Isolate service.

Qty of Vials	Organism	BioBall Strain
2	*Aspergillus brasiliensis*	NCPF 2275
2	*Bacillus subtilis*	NCPF 10400
2	*Candida albicans*	NCPF 3179
2	*Escherichia coli*	NCPF 12923
2	*Pseudomonas aeruginosa*	NCPF 12924
2	*Staphylococcus aureus*	NCPF 10788

BioBall MultiShot 550 and SingleShot Growth Promotion Mixed Kit 12 pack configuration.

BioBall™ Plant Isolate

- BioBall made from a strain from your in-house collection e.g. isolated during environmental monitoring of your production plant
- Presentation BioBall SingleShot with a batch mean of 60 cfu +/- 20% standard deviation

To access further information on BioBall Plant Isolate and to download the enquiry form, **CLICK HERE**.

Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

BioBall does not contain organisms sourced from The American Type Culture Collection®. ATCC is a trademark belonging to the American Type Culture Collection Corporation. BioBall is manufactured using strains sourced from the Health Protection Agency.

NCTC is a trademark of the Health Protection Agency.

BIOMÉRIEUX INDUSTRY

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Delivering Confidence in Applications

BioBall™

Sterility testing is a critical requirement in the manufacture of sterile pharmaceuticals and medical devices. Sterility testing media must undergo growth promotion testing using prescribed microbial strains (USP <71>, EP 2.6.1, JP XV 4.06), and sterility testing methods must be validated (i.e. method suitability test) to assure their capacity to recover compendial strains when present in very low numbers (USP <1227>, EP 2.6.1).

Alternative or rapid microbiological methods also require validation to verify equivalency with traditional sterility testing methods (USP <1223>, EP 5.1.6).

Use of very reliable and consistent inocula is essential to eliminate variation attributable to factors other than the performance of the media, processes or systems being tested. BioBall® **SingleShot** and **MultiShot 550** strains are ideal for this application and are available in Mixed Kit formats for this purpose.

For the BioBall SingleShot Mixed Kit, **CLICK HERE**

For the BioBall MultiShot Mixed Kit, **CLICK HERE**

Qty of Vials	Organism	BioBall Strain
2	*Aspergillus brasiliensis*	NCPF 2275
2	*Bacillus subtilis*	NCPF 10400
2	*Candida albicans*	NCPF 3179
2	*Clostridium sporogenes*	NCPF 12935
2	*Pseudomonas aeruginosa*	NCPF 12924
2	*Staphylococcus aureus*	NCPF 10788

BioBall MultiShot 550 and SingleShot Sterility Assurance Mixed Kit 12 pack configuration.

Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

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BIOMÉRIEUX INDUSTRY

QC ORGANISMS

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- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
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- Individual QC Strains

Delivering Confidence in Applications

BioBall™

Antimicrobial Effectiveness Testing/Preservative Efficacy Testing

Pharmaceutical products, particularly multi-dose format products often require antimicrobial activity to prevent microbial proliferation or to limit the effects of contamination.

The Pharmacopoeias require testing of these products for the efficacy of antimicrobial preservation (USP 51, EP 5.1.3, JP19). Preparing consistent inocula for these tests can be laborious and is often unreliable, necessitating time consuming repeat assays.

BioBall® MultiShot 10^8 is ideal for Antimicrobial Effectiveness Testing or PET, in simplifying preparation and providing precise inocula:

- Designed to provide 10 precise inoculations over a 2 hour period
- Each BioBall MultiShot 10^8 has a batch mean between 0.7 and 1.5 x 10^8 cfu
- When re-hydrated with 1.1mL of re-hydration fluid it provides 10 x 100µL doses of 10^7 cfu

Each 100 µL aliquot can be used to inoculate for example, 20mL of product, resulting in the required final concentration of 10^5–10^6 cfu/mL product.

Qty of Vials	Organism	BioBall Strain
2	*Aspergillus brasiliensis*	NCPF 2275
2	*Candida albicans*	NCPF 3179
2	*Escherichia coli*	NCPF 12923
2	*Pseudomonas aeruginosa*	NCPF 12924
2	*Staphylococcus aureus*	NCPF 10788

BioBall MultiShot 10^8 Mixed Kit 10 pack configuration.

Click play to view a video demonstrating how to use BioBall MultiShot 10^8 for Antimicrobial Effectiveness Testing (viewing time 1:26).

BioBall Mixed Kits can provide greater convenience and flexibility. These kits contain the most relevant pharmacopoeia strains required for quantitative microbiology.

For the BioBall MultiShot Mixed Kit, **CLICK HERE**

Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

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NCTC is a trademark of the Health Protection Agency.

BIOMÉRIEUX INDUSTRY

QC ORGANISMS

BioBall®
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BioBall MultiShot 10^8 cfu
Customised BioBall Products
Product information – BioBall Custom Services

LyfoCults® Plus
Product information – LyfoCults Plus
VITEK® MS QC & Calibration Strains
Individual QC Strains

Delivering Confidence in Applications

BioBall™

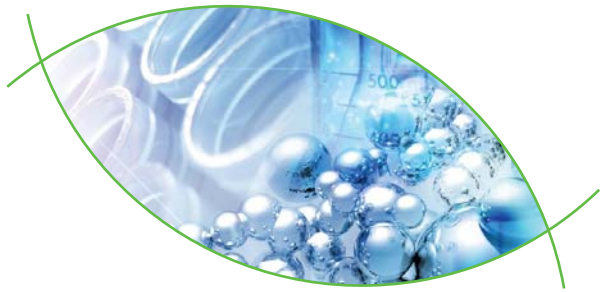
Antimicrobial Effectiveness Testing/ Preservative Efficacy Testing

Cosmetic preparations often require antimicrobial activity (preservatives) to prevent microbial proliferation or to limit the effects of contamination, particularly in multi-dose presentations. Product formulations require testing for the efficacy of antimicrobial preservation; the European Union's Cosmetic Directive states that all cosmetics must have in their product information package the microbiological control criteria of the cosmetic product.

Preservative efficacy test methods include:

- Compendial methods, such as the United States Pharmacopoeia (USP) and European Pharmacopoeia (EP) methods
- Trade association methods

Preparing consistent inocula for these tests can be laborious and is often unreliable, necessitating time consuming repeat assays.



BioBall® MultiShot 10^8 is ideal for this application and simplifies preparation and provides a precise inoculum.

- Designed to provide 10 precise inoculations over a 2 hour period
- Each BioBall MultiShot 10^8 has a batch mean between 0.7 and 1.5 x 10^8 cfu
- When re-hydrated with 1.1mL of re-hydration fluid it provides 10 x 100µL doses of 10^7 cfu

Each 100µL aliquot can be used to inoculate for example 20mL of product, resulting in the required final concentration of 10^5–10^6 cfu/mL product.

Click play to view a video demonstrating how to use BioBall MultiShot 10^8 for Antimicrobial Effectiveness Testing (viewing time 1:26).

BioBall MultiShot 10^8 Mixed Kit for Antimicrobial Effectiveness Testing provides all of the commonly used organisms in a convenient pack presentation.

BioBall is also ideal for media QC. For solid media plates, BioBall can be tipped directly onto the media, re-hydrated with 100µL of sterile water, spread and incubated. Procedures are also available for the QC of pour plates and liquid media.

To review the applications for BioBall in the Cosmetics Industry download our Cosmetics brochure, **CLICK HERE**.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Delivering Confidence in Applications

BioBall™

BioBall® is an ideal quantitative control for the food industry.

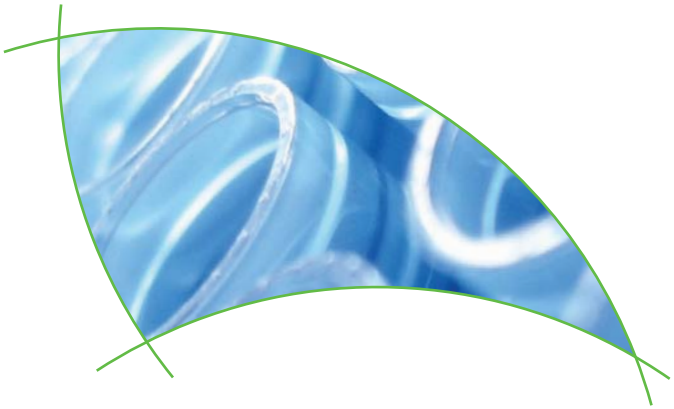
Applications:

- Media quality control
- Quantitative inoculation dose for positive controls
- Method validation
- Proficiency testing
- Measurement of Uncertainty (MOU) determination
- Determining limits of detection

BioBall needs no preparation prior to use and is water soluble. It can be taken directly from the freezer and added to a media plate, enrichment broth or food sample.

To download BioBall Food Application information **CLICK HERE**.

To download BioBall Measurement of Uncertainty information **CLICK HERE**.



Pathogen Testing

BioBall SingleShot 30 cfu

Food testing methods are required to detect pathogens at very low levels. BioBall SingleShot is ideal as the positive control in pathogen testing. BioBall can be added directly to enrichment broth or it can be added as a matrix spike to a sample of sterile matrix and enrichment broth (typically 25g of sterile matrix and 225mL of enrichment broth).

Non-Pathogen Testing/ Quality Indicator Testing

BioBall HighDose 10K cfu

Non-pathogen food contaminants such as yeast, mould and some bacteria, if present, are likely to be found in large numbers.

BioBall HighDose 10K contains 10,000 cfu per BioBall and is ideal for the positive control in non-pathogen food testing.

BioBall HighDose 10K can be added as a matrix spike directly to a sample of sterile matrix and diluent (typically 10g of sterile matrix and 90mL of diluent) or it can be added directly to diluent (typically 100mL).

For the full list of strains available, **CLICK HERE**.

BioBall is also ideal for media QC. For solid media plates, BioBall can be tipped directly onto the media, re-hydrated with 100µL of sterile water, spread and incubated. Procedures are also available for the QC of pour plates and liquid media.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Delivering Confidence in Applications

BioBall™

BioBall® SingleShot 30 cfu is ideal used in a QC sample for water and waste-water testing.

Testing for bacteria in water is typically performed by:

- Passing a water sample through a membrane filter
- Transferring the filter to a media
- Incubating the media
- Identifying any colonies that grow

The quality control of water and waste-water testing is performed periodically with a quality control sample containing less than 100 cfu.

BioBall SingleShot can be added directly to a sterile water sample and run through the standard test method, including the membrane filtration. As the number of bacteria in BioBall is known, the test recovery can easily be determined.

BioBall is also ideal for media QC. For solid media plates, BioBall can be tipped directly onto the media, re-hydrated with 100µL of sterile water, spread and incubated. Procedures are also available for the QC of pour plates and liquid media.

For more information on using BioBall in water testing and membrane filtration, **CLICK HERE**.

For more information on our pre-poured culture media range for water testing, **CLICK HERE**.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Delivering Confidence in Growth Promotion

BioBall™

The pharmaceutical industry is required to perform culture media QC with controls in the range of 10 to 100 cfu for growth promotion. BioBall® has three product types in the range that are ideal for these QC applications.

BioBall Mixed Kits contain the relevant pharmacopoeia strains required for quantitative QC in **SingleShot** and **MultiShot** product presentations.

- BioBall MultiShot 550 used with BioBall Re-Hydration Fluid for:
  - 10 x doses of 50 cfu with 8 hours stability on re-hydration
  - 10 x doses of 50 cfu with 14 days stability after re-hydration

For the BioBall SingleShot Mixed Kit, **CLICK HERE**

- BioBall SingleShot for a single precise dose of 30 cfu

For the BioBall MultiShot Mixed Kit, **CLICK HERE**

If plant isolates are required in addition to compendial strains, these can be provided using our BioBall Plant Isolate service.

Qty of Vials	Organism	BioBall Strain
2	*Aspergillus brasiliensis*	NCPF 2275
2	*Bacillus subtilis*	NCPF 10400
2	*Candida albicans*	NCPF 3179
2	*Escherichia coli*	NCPF 12923
2	*Pseudomonas aeruginosa*	NCPF 12924
2	*Staphylococcus aureus*	NCPF 10788

BioBall MultiShot 550 and SingleShot Growth Promotion Mixed Kit 12 pack configuration.

BioBall™ Plant Isolate

- BioBall made from a strain from your in-house collection e.g. isolated during environmental monitoring of your production plant
- Presentation BioBall SingleShot with a batch mean of 60 cfu +/- 20% standard deviation

To access further information on BioBall Plant Isolate and to download the enquiry form, **CLICK HERE**.

Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

BioBall does not contain organisms sourced from The American Type Culture Collection®. ATCC is a trademark belonging to the American Type Culture Collection Corporation. BioBall is manufactured using strains sourced from the Health Protection Agency.

NCTC is a trademark of the Health Protection Agency.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Delivering Confidence in Sterility Assurance

BioBall™

Sterility testing is a critical requirement in the manufacture of sterile pharmaceuticals and medical devices. Sterility testing media must undergo growth promotion testing using prescribed microbial strains (USP <71>, EP 2.6.1, JP XV 4.06), and sterility testing methods must be validated (i.e. method suitability test) to assure their capacity to recover compendial strains when present in very low numbers (USP <1227>, EP 2.6.1).

Alternative or rapid microbiological methods also require validation to verify equivalency with traditional sterility testing methods (USP <1223>, EP 5.1.6).

Use of very reliable and consistent inocula is essential to eliminate variation attributable to factors other than the performance of the media, processes or systems being tested. BioBall® **SingleShot** and **MultiShot 550** strains are ideal for this application and are available in Mixed Kit formats for this purpose.

For the BioBall SingleShot Mixed Kit, **CLICK HERE**

For the BioBall MultiShot Mixed Kit, **CLICK HERE**

Qty of Vials	Organism	BioBall Strain
2	*Aspergillus brasiliensis*	NCPF 2275
2	*Bacillus subtilis*	NCPF 10400
2	*Candida albicans*	NCPF 3179
2	*Clostridium sporogenes*	NCPF 12935
2	*Pseudomonas aeruginosa*	NCPF 12924
2	*Staphylococcus aureus*	NCPF 10788

BioBall MultiShot 550 and SingleShot Sterility Assurance Mixed Kit 12 pack configuration.

Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

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NCTC is a trademark of the Health Protection Agency.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Delivering Confidence in Antimicrobial Effectiveness Testing

BioBall™

Antimicrobial Effectiveness Testing/ Preservative Efficacy Testing

Pharmaceutical products, particularly multi-dose format products often require antimicrobial activity to prevent microbial proliferation or to limit the effects of contamination.

The Pharmacopoeias require testing of these products for the efficacy of antimicrobial preservation (USP 51, EP 5.1.3, JP19). Preparing consistent inocula for these tests can be laborious and is often unreliable, necessitating time consuming repeat assays.

Cosmetic preparations often require antimicrobial activity (preservatives) to prevent microbial proliferation or to limit the effects of contamination, particularly in multi-dose presentations. Product formulations require testing for the efficacy of antimicrobial preservation; the European Union's Cosmetic Directive states that all cosmetics must have in their product information package the microbiological control criteria of the cosmetic product.

Preservative efficacy test methods include:

- Compendial methods, such as the United States Pharmacopoeia (USP) and European Pharmacopoeia (EP) methods
- Trade association methods

Preparing consistent inocula for these tests can be laborious and is often unreliable, necessitating time consuming repeat assays.

BioBall® MultiShot 10^8 is ideal for this application and simplifies preparation and provides a precise inoculum.

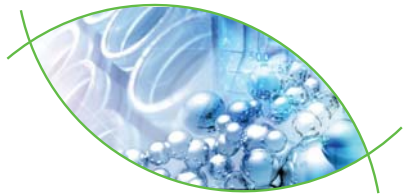
- Designed to provide 10 precise inoculations over a 2 hour period
- Each BioBall MultiShot 10^8 has a batch mean between 0.7 and 1.5 x 10^8 cfu
- When re-hydrated with 1.1mL of re-hydration fluid it provides 10 x 100µL doses of 10^7 cfu

Each 100µL aliquot can be used to inoculate for example 20mL of product, resulting in the required final concentration of 10^5–10^6 cfu/mL product.

Click play to view a video demonstrating how to use BioBall MultiShot 10^8 for Antimicrobial Effectiveness Testing (viewing time 1:26).

BioBall MultiShot 10^8 Mixed Kit for Antimicrobial Effectiveness Testing provides all of the commonly used organisms in a convenient pack presentation.

BioBall is also ideal for media QC. For solid media plates, BioBall can be tipped directly onto the media, re-hydrated with 100µL of sterile water, spread and incubated. Procedures are also available for the QC of pour plates and liquid media.



BIOMÉRIEUX INDUSTRY

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
  - 20 Vial Kits
  - 10 Vial Kits
  - Mixed Kits
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Reference	Description	Strain	Presentation

BioBall®

BioBall™

For the most up to date information on available strains, **CLICK HERE**.

BioBall SingleShot 30 cfu – 20 Vial Kits

Each kit represents 20 tests

56022	BioBall SingleShot *Aspergillus brasiliensis* §3	NCPF 2275	30 cfu x 20 Vials
56023	BioBall SingleShot *Bacillus cereus*	NCTC 7464	30 cfu x 20 Vials
56024	BioBall SingleShot *Bacillus subtilis subsp. spizizenii*	NCTC 10400	30 cfu x 20 Vials
56026	BioBall SingleShot *Candida albicans* §1	NCPF 3179	30 cfu x 20 Vials
56027	BioBall SingleShot *Citrobacter freundii*	NCTC 9750	30 cfu x 20 Vials
56028	BioBall SingleShot *Clostridium perfringens*	NCTC 8798	30 cfu x 20 Vials
56029	BioBall SingleShot *Clostridium sporogenes*	NCTC 12935	30 cfu x 20 Vials
56030	BioBall SingleShot *Enterobacter aerogenes*	NCTC 10006	30 cfu x 20 Vials
56031	BioBall SingleShot *Enterococcus faecalis*	NCTC 12697	30 cfu x 20 Vials
56032	BioBall SingleShot *Enterococcus faecalis*	NCTC 775	30 cfu x 20 Vials
56035	BioBall SingleShot *Escherichia coli* §1	NCTC 12241	30 cfu x 20 Vials
56034	BioBall SingleShot *Escherichia coli*	NCTC 12923	30 cfu x 20 Vials
56033	BioBall SingleShot *Escherichia coli*	NCTC 9001	30 cfu x 20 Vials
412690	BioBall SingleShot *Kocuria rhizophila* §3	NCTC 8340	30 cfu x 20 Vials
56038	BioBall SingleShot *Listeria innocua*	NCTC 11288	30 cfu x 20 Vials
56039	BioBall SingleShot *Listeria monocytogenes*	NCTC 11994	30 cfu x 20 Vials
56040	BioBall SingleShot *Pseudomonas aeruginosa* §1	NCTC 12924	30 cfu x 20 Vials
56041	BioBall SingleShot *Salmonella abaetetuba*	NCTC 8244	30 cfu x 20 Vials
56042	BioBall SingleShot *Salmonella enterica, subsp. enterica serotype abony*	ACM 5080	30 cfu x 20 Vials
56044	BioBall SingleShot *Salmonella enterica, subsp. enterica serotype typhimurium*	NCTC 12023	30 cfu x 20 Vials
56043	BioBall SingleShot *Salmonella salford* §4	IMVS 1710	30 cfu x 20 Vials
56045	BioBall SingleShot *Staphylococcus aureus* §3	NCTC 10788	30 cfu x 20 Vials
56092	BioBall SingleShot *Staphylococcus epidermidis* §2	NCTC 6513	30 cfu x 20 Vials
56046	BioBall SingleShot *Streptococcus pyogenes*	NCTC 12696	30 cfu x 20 Vials

§1 standard deviation <3.5, §2 standard deviation <4, §3 standard deviation <4.5, §4 Mean of between 40 and 60 cfu with a standard deviation of 7 cfu or less. Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

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NCTC is a trademark of the Health Protection Agency.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
  - 20 Vial Kits
  - 10 Vial Kits
  - Mixed Kits
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

BioBall®

BioBall™

For the most up to date information on available strains, **CLICK HERE**.

BioBall SingleShot 30 cfu – 10 Vial Kits

Each kit represents 10 tests

Reference	Description	Strain	Presentation
413842	BioBall SingleShot *Aspergillus brasiliensis* §3	NCPF 2275	30 cfu x 10 Vials
413843	BioBall SingleShot *Bacillus cereus*	NCTC 7464	30 cfu x 10 Vials
413844	BioBall SingleShot *Bacillus subtilis subsp. spizizenii*	NCTC 10400	30 cfu x 10 Vials
414301	BioBall SingleShot *Burkholderia cepacia*	NCTC 10743	30 cfu x 10 Vials
413845	BioBall SingleShot *Candida albicans* §1	NCPF 3179	30 cfu x 10 Vials
413846	BioBall SingleShot *Citrobacter freundii*	NCTC 9750	30 cfu x 10 Vials
413847	BioBall SingleShot *Clostridium perfringens*	NCTC 8798	30 cfu x 10 Vials
413848	BioBall SingleShot *Clostridium sporogenes*	NCTC 12935	30 cfu x 10 Vials
413849	BioBall SingleShot *Enterobacter aerogenes*	NCTC 10006	30 cfu x 10 Vials
413851	BioBall SingleShot *Enterococcus faecalis*	NCTC 12697	30 cfu x 10 Vials
413850	BioBall SingleShot *Enterococcus faecalis*	NCTC 775	30 cfu x 10 Vials
413834	BioBall SingleShot *Escherichia coli* §1	NCTC 12241	30 cfu x 10 Vials
413833	BioBall SingleShot *Escherichia coli*	NCTC 12923	30 cfu x 10 Vials
413832	BioBall SingleShot *Escherichia coli*	NCTC 9001	30 cfu x 10 Vials
413835	BioBall SingleShot *Kocuria rhizophila* §3	NCTC 8340	30 cfu x 10 Vials
413836	BioBall SingleShot *Listeria innocua*	NCTC 11288	30 cfu x 10 Vials
413837	BioBall SingleShot *Listeria monocytogenes*	NCTC 11994	30 cfu x 10 Vials
415159	BioBall SingleShot *Propionibacterium acnes*	DSM 1897	30 cfu x 10 Vials
413839	BioBall SingleShot *Pseudomonas aeruginosa* §1	NCTC 12924	30 cfu x 10 Vials
413840	BioBall SingleShot *Salmonella abaetetuba*	NCTC 8244	30 cfu x 10 Vials
413841	BioBall SingleShot *Salmonella enterica, subsp. enterica serotype abony*	ACM 5080	30 cfu x 10 Vials
413775	BioBall SingleShot *Salmonella enterica, subsp. enterica serotype typhimurium*	NCTC 12023	30 cfu x 10 Vials
413774	BioBall SingleShot *Salmonella salford* §4	IMVS 1710	30 cfu x 10 Vials
413773	BioBall SingleShot *Staphylococcus aureus* §3	NCTC 10788	30 cfu x 10 Vials
413809	BioBall SingleShot *Staphylococcus epidermidis* §2	NCTC 6513	30 cfu x 10 Vials
413820	BioBall SingleShot *Streptococcus pyogenes*	NCTC 12696	30 cfu x 10 Vials

§1 standard deviation <3.5, §2 standard deviation <4, §3 standard deviation <4.5, §4 Mean of between 40 and 60 cfu with a standard deviation of 7 cfu or less.
Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

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BIOMÉRIEUX INDUSTRY

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
  - 20 Vial Kits
  - 10 Vial Kits
  - Mixed Kits
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Reference	Description	Strain	Presentation

BioBall®

BioBall™

For the most up to date information on available strains, **CLICK HERE**.

BioBall SingleShot 30 cfu Mixed Kit for Growth Promotion Testing

This kit represents 2 tests for each strain and 12 tests in total

412541	BioBall SingleShot Mixed-Kit		30 cfu x 12 Vials
	Kit contains:		
	BioBall SingleShot *Aspergillus brasiliensis* §3	NCPF 2275	30 cfu x 2 Vials
	BioBall SingleShot *Bacillus subtilis subsp. spizizenii*	NCTC 10400	30 cfu x 2 Vials
	BioBall SingleShot *Candida albicans* §1	NCPF 3179	30 cfu x 2 Vials
	BioBall SingleShot *Escherichia coli*	NCTC 12923	30 cfu x 2 Vials
	BioBall SingleShot *Pseudomonas aeruginosa* §1	NCTC 12924	30 cfu x 2 Vials
	BioBall SingleShot *Staphylococcus aureus* §3	NCTC 10788	30 cfu x 2 Vials

BioBall SingleShot 30 cfu Mixed Kit for Sterility Assurance Testing

This kit represents 2 tests for each strain and 12 tests in total

412646	BioBall SingleShot Sterility Mixed Kit		30 cfu x 12 Vials
	Kit contains:		
	BioBall SingleShot *Aspergillus brasiliensis* §3	NCPF 2275	30 cfu x 2 Vials
	BioBall SingleShot *Bacillus subtilis subsp. spizizenii*	NCTC 10400	30 cfu x 2 Vials
	BioBall SingleShot *Candida albicans* §1	NCPF 3179	30 cfu x 2 Vials
	BioBall SingleShot *Clostridium sporogenes*	NCTC 12935	30 cfu x 2 Vials
	BioBall SingleShot *Pseudomonas aeruginosa* §1	NCTC 12924	30 cfu x 2 Vials
	BioBall SingleShot *Staphylococcus aureus* §3	NCTC 10788	30 cfu x 2 Vials

§1 standard deviation <3.5, §3 standard deviation <4.5.

Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

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NCTC is a trademark of the Health Protection Agency.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
  - 20 Vial Kits
  - 10 Vial Kits
  - Mixed Kits
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Reference	Description	Strain	Presentation

BioBall®

BioBall™

For the most up to date information on available strains, **CLICK HERE**.

BioBall MultiShot 550 cfu – 20 Vial Kits

Each kit represents 200 tests

56011	BioBall MultiShot *Aspergillus brasiliensis* #	NCPF 2275	550 cfu x 20 Vials
56012	BioBall MultiShot *Bacillus subtilis subsp. spizizenii* #	NCTC 10400	550 cfu x 20 Vials
56013	BioBall MultiShot *Candida albicans* #	NCPF 3179	550 cfu x 20 Vials
56014	BioBall MultiShot *Clostridium sporogenes* #	NCTC 12935	550 cfu x 20 Vials
56015	BioBall MultiShot *Enterococcus faecalis* #	NCTC 12697	550 cfu x 20 Vials
56016	BioBall MultiShot *Escherichia coli* #	NCTC 12923	550 cfu x 20 Vials
56017	BioBall MultiShot *Pseudomonas aeruginosa* #	NCTC 12924	550 cfu x 20 Vials
56018	BioBall MultiShot *Salmonella enterica, subsp. enterica, serotype abony* #	ACM 5080	550 cfu x 20 Vials
56019	BioBall MultiShot *Staphylococcus aureus* #	NCTC 10788	550 cfu x 20 Vials
56021	BioBall Re-Hydration Fluid (use with MultiShot, 8 hours stability on re-hydration)		20 Vials
410386	BioBall 14 day Re-Hydration Fluid (use with MultiShot, for 14 day procedure **CLICK HERE**)		20 Vials

Each MultiShot Kit needs to be used in conjunction with BioBall Re-Hydration Fluid (56021) or BioBall 14 day Re-Hydration Fluid (410386).

Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.

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NCTC is a trademark of the Health Protection Agency.

QC ORGANISMS

- BioBall®
  - Product information – BioBall
  - BioBall SingleShot 30 cfu
  - BioBall MultiShot 550 cfu
    - 20 Vial Kits
    - 10 Vial Kits
    - Mixed Kits
  - BioBall HighDose 10K cfu
  - BioBall MultiShot 10^8 cfu
  - Customised BioBall Products
  - Product information – BioBall Custom Services
- LyfoCults® Plus
  - Product information – LyfoCults Plus
  - VITEK® MS QC & Calibration Strains
  - Individual QC Strains

Reference	Description	Strain	Presentation

BioBall®

BioBall™

For the most up to date information on available strains, CLICK HERE.

BioBall MultiShot 550 cfu – 10 Vial Kits

Each kit represents 100 tests

56001	BioBall MultiShot *Aspergillus brasiliensis* #	NCPF 2275	550 cfu x 10 Vials
56002	BioBall MultiShot *Bacillus subtilis subsp. spizizenii* #	NCTC 10400	550 cfu x 10 Vials
416589	BioBall SingleShot Burkholderia cepacia	DSM 7288	550 cfu x 10 Vials
56003	BioBall MultiShot *Candida albicans* #	NCPF 3179	550 cfu x 10 Vials
56004	BioBall MultiShot *Clostridium sporogenes* #	NCTC 12935	550 cfu x 10 Vials
56005	BioBall MultiShot *Enterococcus faecalis* #	NCTC 12697	550 cfu x 10 Vials
56006	BioBall MultiShot *Escherichia coli* #	NCTC 12923	550 cfu x 10 Vials
416600	BioBall MultiShot Propionibacterium acnes	DSM 1897	550 cfu x 10 Vials
56007	BioBall MultiShot *Pseudomonas aeruginosa* #	NCTC 12924	550 cfu x 10 Vials
56008	BioBall MultiShot *Salmonella enterica, subsp. enterica, serotype abony* #	ACM 5080	550 cfu x 10 Vials
56009	BioBall MultiShot *Staphylococcus aureus* #	NCTC 10788	550 cfu x 10 Vials
56021	BioBall Re-Hydration Fluid (use with MultiShot, 8 hours stability on re-hydration)		20 Vials
410386	BioBall 14 day Re-Hydration Fluid (use with MultiShot, for 14 day procedure CLICK HERE)		20 Vials

Each MultiShot Kit needs to be used in conjunction with BioBall Re-Hydration Fluid (56021) or BioBall 14 day Re-Hydration Fluid (410386).
Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.
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NCTC is a trademark of the Health Protection Agency.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
  - 20 Vial Kits
  - 10 Vial Kits
  - Mixed Kits
- BioBall HighDose 10K cfu
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

BioBall®

BioBall™

For the most up to date information on available strains, **CLICK HERE**.

BioBall MultiShot 550 cfu Mixed Kit for Growth Promotion Testing

This kit represents 20 tests for each strain and 120 tests in total

Reference	Description	Strain	Presentation
412540	BioBall MultiShot Mixed-Kit #		550 cfu x 12 Vials
	Kit contains:		
	BioBall MultiShot *Aspergillus brasiliensis*	NCPF 2275	550 cfu x 2 Vials
	BioBall MultiShot *Bacillus subtilis subsp. spizizenii*	NCTC 10400	550 cfu x 2 Vials
	BioBall MultiShot *Candida albicans*	NCPF 3179	550 cfu x 2 Vials
	BioBall MultiShot *Escherichia coli*	NCTC 12923	550 cfu x 2 Vials
	BioBall MultiShot *Pseudomonas aeruginosa*	NCTC 12924	550 cfu x 2 Vials
	BioBall MultiShot *Staphylococcus aureus*	NCTC 10788	550 cfu x 2 Vials

BioBall MultiShot 550 cfu Mixed Kit for Sterility Assurance Testing

This kit represents 20 tests for each strain and 120 tests in total

Reference	Description	Strain	Presentation
412647	BioBall MultiShot Sterility Mixed Kit #		550 cfu x 12 Vials
	Kit contains:		
	BioBall MultiShot *Aspergillus brasiliensis*	NCPF 2275	550 cfu x 2 Vials
	BioBall MultiShot *Bacillus subtilis subsp. spizizenii*	NCTC 10400	550 cfu x 2 Vials
	BioBall MultiShot *Candida albicans*	NCPF 3179	550 cfu x 2 Vials
	BioBall MultiShot *Clostridium sporogenes*	NCTC 12935	550 cfu x 2 Vials
	BioBall MultiShot *Pseudomonas aeruginosa*	NCTC 12924	550 cfu x 2 Vials
	BioBall MultiShot *Staphylococcus aureus*	NCTC 10788	550 cfu x 2 Vials

Each MultiShot Kit needs to be used in conjunction with BioBall Re-Hydration Fluid (56021) or BioBall 14 day Re-Hydration Fluid (410386).
Strains sourced from NCTC, NCPF, IMVS, NCIMB and ACM.
BioBall does not contain organisms sourced from The American Type Culture Collection®. ATCC is a trademark belonging to the American Type Culture Collection Corporation. BioBall is manufactured using strains sourced from the Health Protection Agency.
NCTC is a trademark of the Health Protection Agency.

QC ORGANISMS

BioBall®
- Product information – BioBall
- BioBall SingleShot 30 cfu
- BioBall MultiShot 550 cfu
- BioBall HighDose 10K cfu
  - 20 Vial Kits
  - 10 Vial Kits
- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

BioBall®

BioBall™

For the most up to date information on available strains, **CLICK HERE**.

BioBall HighDose 10K cfu – 20 Vial Kits

Reference	Description	Strain	Presentation
56049	BioBall HighDose 10^4 *Aspergillus brasiliensis*	NCPF 2275	10^4 cfu x 20 Vials
56143	BioBall HighDose 10^4 *Bacillus subtilis subsp. spizizenii*	NCTC 10400	10^4 cfu x 20 Vials
56050	BioBall HighDose 10^4 *Candida albicans*	NCPF 3179	10^4 cfu x 20 Vials
56051	BioBall HighDose 10^4 *Clostridium perfringens*	NCTC 8798	10^4 cfu x 20 Vials
56052	BioBall HighDose 10^4 *Enterobacter aerogenes*	NCTC 10006	10^4 cfu x 20 Vials
56053	BioBall HighDose 10^4 *Escherichia coli*	NCTC 9001	10^4 cfu x 20 Vials
56054	BioBall HighDose 10^4 *Lactobacillus fermentum* §5	NCIMB 6991	10^4 cfu x 20 Vials
56144	BioBall HighDose 10^4 *Pseudomonas aeruginosa*	NCTC 12924	10^4 cfu x 20 Vials
56055	BioBall HighDose 10^4 *Staphylococcus aureus*	NCTC 10788	10^4 cfu x 20 Vials

BioBall HighDose 10K cfu – 10 Vial Kits

413776	BioBall HighDose 10^4 *Aspergillus brasiliensis*	NCPF 2275	10^4 cfu x 10 Vials
413777	BioBall HighDose 10^4 *Bacillus subtilis subsp. spizizenii*	NCTC 10400	10^4 cfu x 10 Vials
413778	BioBall HighDose 10^4 *Candida albicans*	NCPF 3179	10^4 cfu x 10 Vials
413779	BioBall HighDose 10^4 *Clostridium perfringens*	NCTC 8798	10^4 cfu x 10 Vials
56158	BioBall HighDose 10^4 *Enterobacter aerogenes*	NCTC 10006	10^4 cfu x 10 Vials
56160	BioBall HighDose 10^4 *Escherichia coli*	NCTC 9001	10^4 cfu x 10 Vials
413830	BioBall HighDose 10^4 *Lactobacillus fermentum* §5	NCIMB 6991	10^4 cfu x 10 Vials
413831	BioBall HighDose 10^4 *Pseudomonas aeruginosa*	NCTC 12924	10^4 cfu x 10 Vials
56159	BioBall HighDose 10^4 *Staphylococcus aureus*	NCTC 10788	10^4 cfu x 10 Vials

§5 Mean of between 7,000 and 13,000 with a standard deviation of ≤20% of the mean.

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NCTC is a trademark of the Health Protection Agency.

QC ORGANISMS

- BioBall®
  - Product information – BioBall
  - BioBall SingleShot 30 cfu
  - BioBall MultiShot 550 cfu
  - BioBall HighDose 10K cfu
  - BioBall MultiShot 10^8 cfu
    - 10 Vial Kits
    - Mixed Kit
  - Customised BioBall Products
  - Product information – BioBall Custom Services
- LyfoCults® Plus
  - Product information – LyfoCults Plus
  - VITEK® MS QC & Calibration Strains
  - Individual QC Strains

Reference	Description	Strain	Presentation

BioBall®

BioBall™

For the most up to date information on available strains, **CLICK HERE**.

BioBall MultiShot 10^8 cfu – 10 Vial Kits

410106	BioBall MultiShot 10^8 *Aspergillus brasiliensis* #	NCPF 2275	10^8 cfu x 10 Vials
416721 ***NEW***	BioBall MultiShot 10^8 *Bacillus subtilis* #, ##	ATCC® 19659	10^8 cfu x 10 Vials
418228 ***NEW***	BioBall MultiShot 10^8 *Burkholderia cepacia* #	NCTC 10743	10^8 cfu x 10 Vials
56145	BioBall MultiShot 10^8 *Candida albicans* #	NCPF 3179	10^8 cfu x 10 Vials
56146	BioBall MultiShot 10^8 *Escherichia coli* #	NCTC 12923	10^8 cfu x 10 Vials
56147	BioBall MultiShot 10^8 *Pseudomonas aeruginosa* #	NCTC 12924	10^8 cfu x 10 Vials
56148	BioBall MultiShot 10^8 *Staphylococcus aureus* #	NCTC 10788	10^8 cfu x 10 Vials
56021	BioBall Re-Hydration Fluid (use with MultiShot, 8 hours stability on re-hydration)		20 Vials

BioBall MultiShot 10^8 cfu Mixed Kit for Antimicrobial Effectiveness Testing

56150	BioBall MultiShot 10^8 Mixed Kit # Kit contains:		10^8 cfu x 10 Vials
	BioBall MultiShot 10^8 *Aspergillus brasiliensis*	NCPF 2275	10^8 cfu x 2 Vials
	BioBall MultiShot 10^8 *Candida albicans*	NCPF 3179	10^8 cfu x 2 Vials
	BioBall MultiShot 10^8 *Escherichia coli*	NCTC 12923	10^8 cfu x 2 Vials
	BioBall MultiShot 10^8 *Pseudomonas aeruginosa*	NCTC 12924	10^8 cfu x 2 Vials
	BioBall MultiShot 10^8 *Staphylococcus aureus*	NCTC 10788	10^8 cfu x 2 Vials

Customised BioBall Products

XXXXX	BioBall Plant Isolate – your own strain – 60 cfu
XXXXX	BioBall Select – any culture collection strain – 5 cfu - $<10^8$ cfu
414295	Custom BioBall shelf-life extension service

To find out more about Customised BioBall products, **CLICK HERE**.

Each MultiShot Kit needs to be used in conjunction with BioBall Re-Hydration Fluid (56021).
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LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Delivering Confidence in Quantitative Products

BioBall™

BioBall® Plant Isolate

Custom BioBall products can be manufactured to suit specific needs. We currently offer two custom services, BioBall Plant Isolate and BioBall Select.

Although not a Pharmacopoeial requirement, there are several guidelines that recommend the use of environmental plant isolates and these include:

- USP <1116>, USP <1117> and USP <1072>
- FDA guidance for Industry for Sterile Drug Products produced by Aseptic Processing – Current GMP
- FDA Guidance for Industry concerning Validation of Growth-Based Rapid Microbiological Methods for Sterility Testing of Cellular and Gene Therapy Products

The Value of Plant Isolates in Pharma Quality' by Myatt, D. and Morgan, C. (PDA Letters, July/August 2011) can be downloaded if you **CLICK HERE**. This poster reviews the regulatory expectation regarding the inclusion of Plant Isolates in the Quality Control of environmental monitoring culture media against the practicalities involved.

	Single Dose 60 cfu	Multi Dose 550 cfu
Mean cfu	60 cfu +/- 20%	450-650 cfu
Standard Deviation	<20%	<20%
Minimum number of vials per strain	100 vials (100 tests)	100 vials (1,000 tests)
Expiration from date of manufacture	12 months	12 months

Figure 1. BioBall Plant Isolate Formats

Preserving and culturing plant isolates and maintaining culture collections of such strains can be a challenging and costly experience. BioBall Plant isolate is a service that can provide a stable and quantitative plant isolate strain that is minimally passaged since isolation. The service provides all of the benefits of BioBall but with your Plant Isolate.

- Any Strains from an in-house collection can be used to manufacture a BioBall Plant Isolate for example, environmental monitoring isolates or contaminants of products or raw materials
- Available in two formats (see figure 1)
- Certificate of Analysis supplied with actual Mean cfu and standard deviation for each batch of BioBall Plant Isolate
- No upfront costs and if the specification cannot be met, no charges
- BTF will organise everything from collecting strains to delivery of the BioBall back to site
- **CLICK HERE** to see our commitment to superlative service in our Custom Service Charter

For more information on BioBall Plant Isolate please contact your local product specialist or ask us to contact you, **CLICK HERE**.

To download the BioBall Plant Isolate electronic brochure **CLICK HERE**.

Shelf-life extension available

BIOMÉRIEUX INDUSTRY

QC ORGANISMS

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- Product information – BioBall
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LyfoCults® Plus
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Delivering Confidence in Quantitative Products

BioBall™

BioBall® Plant Isolate

Shelf-life extension available

Frequently Asked Questions

What organisms have been made into BioBall Plant Isolates already?

Isolates already manufactured include many common plant isolates: *Staphylococcus epidermidis, Sphingomonas paucimobilis, Ralstonia picketti, Kocuria varians* and *Proprionibacterium acnes*. Globally, over 80 different strains have been turned into BioBall Plant Isolates.

Is there a requirement to change the Plant Isolates used every 12 months?

Currently, there is no regulatory requirement to change these every 12 months.

What happens to any BioBall Plant Isolates that haven't been used within the 12 months shelf-life?

Our shelf-life extension service can be used to give a further 12 months.

BioBall Select

BioBall can be manufactured with any strain selected from specified culture collections (DSMZ or NCTC) and at any cfu level required (5 cfu–10^8 cfu).

For more information on BioBall Select please contact your local product specialist or ask us to contact you, **CLICK HERE**.

QC ORGANISMS

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- BioBall MultiShot 10^8 cfu
- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Qualitative QC Organisms for Quality Control

LyfoCults™ +++ PLUS

The LyfoCults® Plus range is being phased out in 2015 and products can only be supplied subject to availability.
CLICK HERE *if you require any further information.*

Available while stocks last

LyfoCults Plus QC

ATCC microorganisms packaged in convenient Individual QC Strains for Quality Control.

Requirements vary between sites, countries and regulatory authorities but in general, it is recommended that identification products be QC tested once per lot and once per shipment.

Individual QC Strains

- Recommended for ID and AST testing

EUCAST (European Committee on Antimicrobial Susceptibility Testing) recommend that QC Strains are set up and checked daily for AST testing.

End User Agreement (EUA)

Please read before ordering from the LyfoCults Plus range.

- All users of ATCC-derived products must agree to the terms of use by signing the EUA prior to receiving products from bioMérieux
- The ATCC EUA is a contract that governs the transfer of ATCC-licensed products between two organisations, when the recipient intends to use the licensed products for QC testing
- EUA protects the rights of all parties to maintain a chain-of-custody from ATCC, to bioMérieux and to the End User, and to assure that the QC microorganisms are traceable to their source
- It also assures that the product will be used by qualified personnel and handled according to governing laboratory protocols

For the LyfoCults Plus End User Agreement, CLICK HERE.

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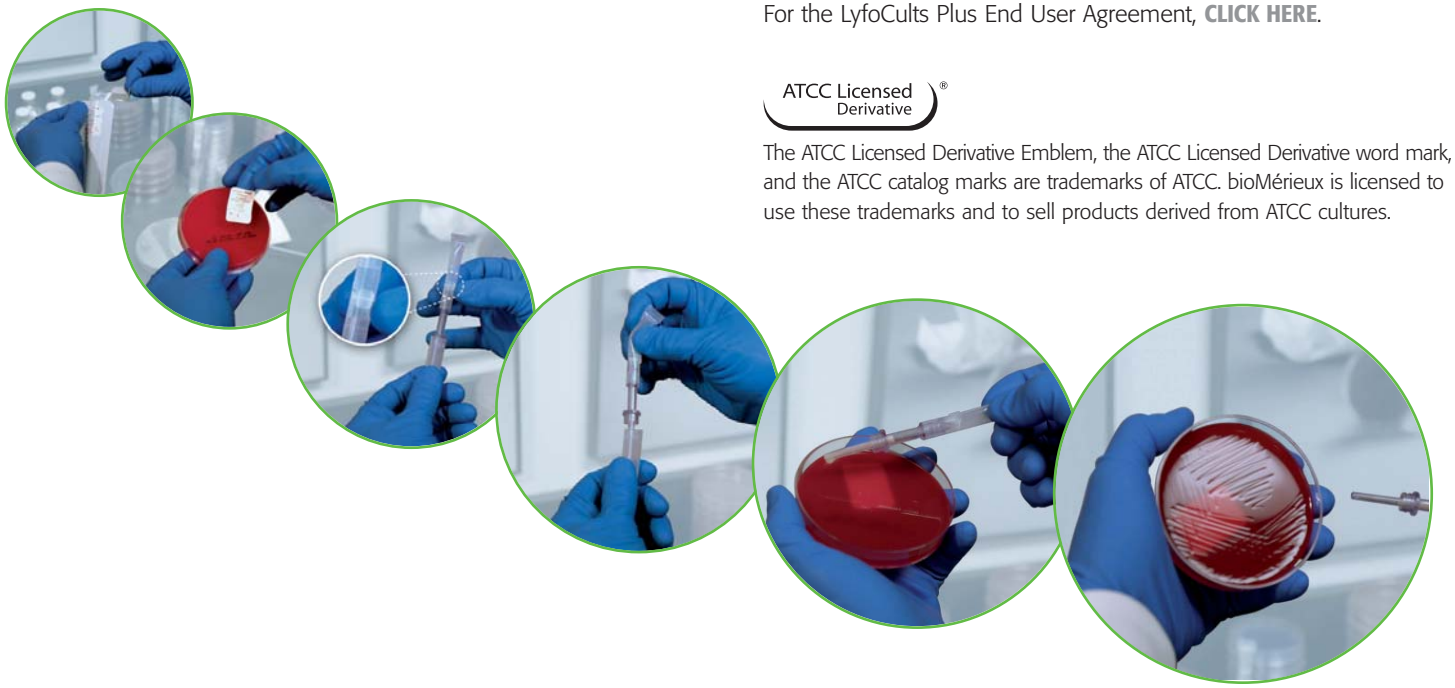

BIOMÉRIEUX INDUSTRY

QC ORGANISMS

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- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains

Reference	Description	Strain	Presentation

LyfoCults® Plus

VITEK® MS QC & Calibration Strains

Available while stocks last

QC Strains

300953	LyfoCults Plus *Candida glabrata*	ATCC® MYA-2950™	2 Vials
301053	LyfoCults Plus *Enterobacter aerogenes*	ATCC 13048™	2 Vials

Calibrant Strain

301145	LyfoCults Plus *Escherichia coli*	ATCC 8739™	2 Vials

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- Product information – BioBall Custom Services

LyfoCults® Plus
- Product information – LyfoCults Plus
- VITEK® MS QC & Calibration Strains
- Individual QC Strains
  - Page 1 of 2
  - Page 2 of 2

LyfoCults® Plus

Individual QC Strains (page 1 of 2)

Reference	Description	Strain	Presentation
301215	LyfoCults Plus *Aggregatibacter aphrophilus*	ATCC® 49917™	2 Vials
300840	LyfoCults Plus *Bacteroides fragilis*	ATCC 23745™	2 Vials
300850	LyfoCults Plus *Bacteroides fragilis*	ATCC 25285™	2 Vials
303524	LyfoCults Plus *Bacteroides ovatus*	ATCC BAA-1296™	2 Vials
300784	LyfoCults Plus *Brevibacilllus agri*	ATCC 51663™	2 Vials
410587	LyfoCults Plus *Brevibacillus agri* (VITEK® 2 BCL QC set)	ATCC 51663™	2 Vials
300905	LyfoCults Plus *Campylobacter jejuni*	ATCC 33291™	2 Vials
300914	LyfoCults Plus *Candida albicans*	ATCC 90028™	2 Vials
300927	LyfoCults Plus *Candida albicans*	ATCC 14053™	2 Vials
410612	LyfoCults Plus *Candida albicans* (VITEK 2 YST QC set)	ATCC 14053™	2 Vials
300940	LyfoCults Plus *Candida glabrata*	ATCC 2001™	2 Vials
300953	LyfoCults Plus *Candida glabrata*	ATCC MYA-2950™	2 Vials
300959	LyfoCults Plus *Candida krusei*	ATCC 6258™	2 Vials
300965	LyfoCults Plus *Candida parapsilosis*	ATCC 22019™	2 Vials
300996	LyfoCults Plus *Cellulosimicrobium cellulans*	ATCC 27402	2 Vials
410279	LyfoCults Plus *Cellulosimicrobium cellulans*	ATCC BAA-1816™	2 Vials
301003	LyfoCults Plus *Clostridium sporogenes*	ATCC 19404™	2 Vials
410276	LyfoCults Plus *Corynebacterium renale*	ATCC BAA-1785™	2 Vials
303528	LyfoCults Plus *Corynebacterium striatum*	ATCC BAA-1293™	2 Vials
410273	LyfoCults Plus *Corynebacterium urealyticum*	ATCC 43044™	2 Vials
410291	LyfoCults Plus *Curtobacterium pusillum*	ATCC 19096™	2 Vials
301064	LyfoCults Plus *Eikenella corrodens*	ATCC BAA-1152™	2 Vials
410628	LyfoCults Plus *Eikenella corrodens* (VITEK 2 NH QC set)	ATCC BAA-1152™	2 Vials
301053	LyfoCults Plus *Enterobacter aerogenes*	ATCC 13048™	2 Vials
301072	LyfoCults Plus *Enterobacter hormaechei*	ATCC 700323™	2 Vials
301105	LyfoCults Plus *Enterococcus casseliflavus*	ATCC 700327™	2 Vials
301090	LyfoCults Plus *Enterococcus faecalis*	ATCC 19433™	2 Vials
301095	LyfoCults Plus *Enterococcus faecalis*	ATCC 29212™	2 Vials
301107	LyfoCults Plus *Enterococcus faecalis*	ATCC 51299™	2 Vials
301131	LyfoCults Plus *Escherichia coli*	ATCC 25922™	2 Vials
301140	LyfoCults Plus *Escherichia coli*	ATCC 35218™	2 Vials
301145	LyfoCults Plus *Escherichia coli*	ATCC 8739™	2 Vials

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- Customised BioBall Products
- Product information – BioBall Custom Services

LyfoCults® Plus
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- VITEK® MS QC & Calibration Strains
- Individual QC Strains
  - Page 1 of 2
  - Page 2 of 2

LyfoCults® Plus

Individual QC Strains (page 2 of 2)

Reference	Description	Strain	Presentation
301182	LyfoCults Plus *Haemophilus influenzae*	ATCC® 49247™	2 Vials
301198	LyfoCults Plus *Haemophilus influenzae*	ATCC 10211™	2 Vials
301201	LyfoCults Plus *Haemophilus influenzae*	ATCC 9007™	2 Vials
301221	LyfoCults Plus *Klebsiella oxytoca*	ATCC 700324™	2 Vials
301247	LyfoCults Plus *Klebsiella pneumoniae*	ATCC 700603™	2 Vials
303481	LyfoCults Plus *Klebsiella pneumoniae*	ATCC BAA-1706™	2 Vials
301285	LyfoCults Plus *Listeria innocua*	ATCC 33090™	2 Vials
410285	LyfoCults Plus *Microbacterium paraoxydans*	ATCC BAA-1818™	2 Vials
301407	LyfoCults Plus *Microbacterium testaceum*	ATCC 15829™	2 Vials
301316	LyfoCults Plus *Neisseria gonorrhoeae*	ATCC 19424™	2 Vials
301341	LyfoCults Plus *Neisseria gonorrhoeae*	ATCC 49226™	2 Vials
301351	LyfoCults Plus *Neisseria lactamica*	ATCC 23970™	2 Vials
301375	LyfoCults Plus *Ochrobactrum anthropi*	ATCC BAA-749™	2 Vials
301480	LyfoCults Plus *Pseudomonas aeruginosa*	ATCC 27853™	2 Vials
301589	LyfoCults Plus *Staphylococcus aureus*	ATCC 29213™	2 Vials
301616	LyfoCults Plus *Staphylococcus aureus*	ATCC BAA-1026™	2 Vials
301624	LyfoCults Plus *Staphylococcus aureus*	ATCC BAA-976™	2 Vials
301627	LyfoCults Plus *Staphylococcus aureus*	ATCC BAA-977™	2 Vials
301630	LyfoCults Plus *Staphylococcus capitis*	ATCC 35661™	2 Vials
301634	LyfoCults Plus *Staphylococcus epidermidis*	ATCC 12228™	2 Vials
301664	LyfoCults Plus *Staphylococcus xylosus*	ATCC 700404™	2 Vials
301701	LyfoCults Plus *Streptococcus equi*	ATCC 700400™	2 Vials
301728	LyfoCults Plus *Streptococcus pneumoniae*	ATCC 49619™	2 Vials
301744	LyfoCults Plus *Streptococcus pyogenes*	ATCC 19615™	2 Vials
301762	LyfoCults Plus *Streptococcus sp*	ATCC 12392™	2 Vials
301767	LyfoCults Plus *Streptococcus uberis*	ATCC 700407™	2 Vials
301780	LyfoCults Plus *Trichosporon mucoides*	ATCC 204094™	2 Vials

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- Product information – CHEMUNEX®
- ScanRDI®
- D-Count®
- BactiFlow® ALS
- BactiFlow
- BacT/ALERT® for Sterility Applications
- Product information – Polycarbonate Bottles & Colorimetric Technology
- VIDAS®
- TEMPO®: Automated Quality Indicator Test Solution
- Product information – Identification & Typing Instruments
- Orientation Tests
- VITEK® 2 Compact
- VITEK MS: MALDI-TOF Mass Spectrometer
- DiversiLab®
- Gen-Probe®

CHEMUNEX™ ScanRDI

Solid Phase Cytometry | Flow Cytometry

Solid Phase Cytometry

Approved technology for filterable and non-filterable products.

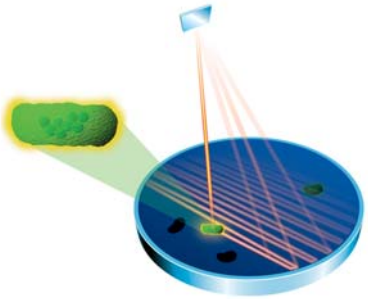
- Real time microbiological results for filterable products
- Sensitivity down to one cell
- Analysis within 2 hours

ScanRDI®, is the first automated system to directly detect individual microbial cells, thus avoiding the need for a time consuming growth stage. Instead, through its unique labeling and laser scanning technology, it can locate and count single cells retained on a membrane filter.

For more information on ScanRDI, **CLICK HERE**.

Unique Proven Technology

The CHEMUNEX® Fluorescent Cell Labeling Technology (Fluorassure®) has been widely used by the industry for more than 15 years and is a well-established technology for the universal labeling of viable bacteria, yeasts and mould.



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CHEMUNEX™ BactiFlow™ ALS Automated Labeling System

Solid Phase Cytometry | Flow Cytometry

Flow Cytometry

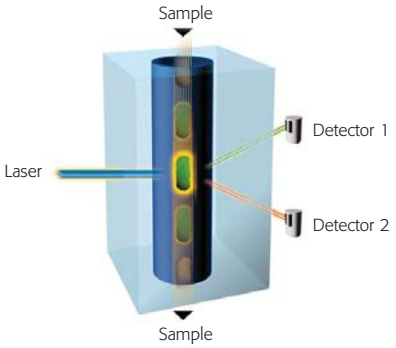
Real time microbiological results for filterable and non-filterable products.

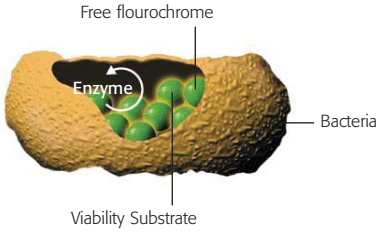
- 3 automation levels
- In process, final product and environmental testing
- Presence/Absence, TVC
- Yeast and mould
- Direct count: TVC in process water (20 minutes), raw materials, in process control, finished products
- Preservative efficacy testing
- Reduce quarantine time
- Decrease inventory holding and warehouse costs significantly
- Minimize production disruption
- Effective consumer protection against microbial contamination
- The fastest response to contamination incidents
- Rapid confirmation of corrective action effectiveness
- Decrease product losses

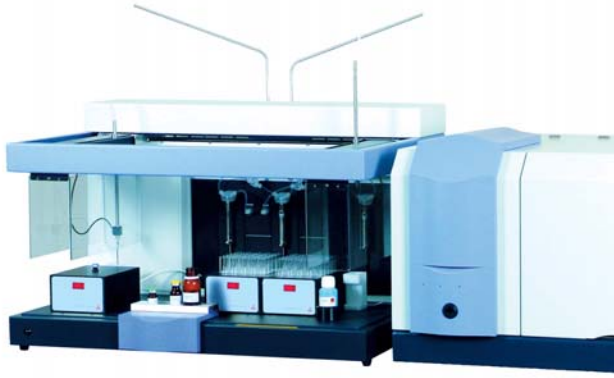
A Wide Range of Applications:

- Process water
- Final product sterility testing
- Bioburden
- Environmental monitoring: Real time air, personnel and surface monitoring
- Preservative efficacy testing
- Cell cultures processes (scale-up and downstream)
- OOS/failure investigations
- Disinfectant efficiency/immediate cleaning validation

For more information on Flow Cytrometry Analysers, **CLICK HERE**.







AUTOMATED TESTING

- Product information – CHEMUNEX®
- ScanRDI®
  - Instruments
  - Consumables & Accessories
  - Reagents
- D-Count®
- BactiFlow® ALS
- BactiFlow
- BacT/ALERT® for Sterility Applications
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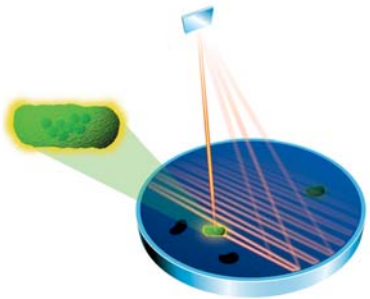
- VITEK MS: MALDI-TOF Mass Spectrometer
- DiversiLab®
- Gen-Probe®

ScanRDI®

Instruments

Reference	Description	Presentation
200-A0001-02	ScanRDI for CB04 & FIFU (without stage)	1
CHXCS1000	CB04 option configuration	1
CHXCS1001	FIFU option configuration	1
500-B0002-02	On line UPS GXT2 3000RT & cables 230V	1
200-B0540-04	Motorised stage for microscope	1
CHXCS0013	Membrane holder CB04 (set of 3)	3
CHXCS0017	Membrane holder FIFU (set of 3)	3
CHXCS0516	ChemPrep S control module 220V	1
200-B0550-01	ChemPrep S - 1 working module 220V	1
200-B0551-01	ChemPrep S - 2 working modules 220V	1
200-B0552-01	ChemPrep S FIFU - 1 working module 220V	1
200-B0556-01	ChemPrep S FIFU - 2 working modules 220V	1



AUTOMATED TESTING

- Product information – CHEMUNEX®
- ScanRDI®
  - Instruments
  - Consumables & Accessories
  - Reagents
- D-Count®
- BactiFlow® ALS
- BactiFlow
- BacT/ALERT® for Sterility Applications
- Product information – Polycarbonate Bottles & Colorimetric Technology
- VIDAS®
- TEMPO®: Automated Quality Indicator Test Solution
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- Orientation Tests
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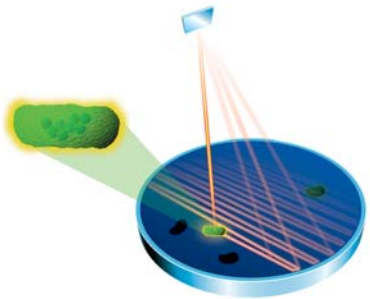
- DiversiLab®
- Gen-Probe®

ScanRDI®

Consumables & Accessories

Reference	Description	Presentation
CHXCS0510	Pad support stainless steel	1
CHXCS0511	Sample carrier	1
CHXCS0515	Sample carrier base	1
CHXCS0517	Workstation 3 classic row	1
CHXCS0517A	Workstation 2 classic row + 1 FIFU row	1
CHXCS0517B	Workstation 1 classic row + 2 FIFU row	1
CHXCS0517C	Workstation 3 FIFU row	1
200-C3015-01	HBO Lamp 103	1
201-B2004-01	Black box for microscope	1
200-B2004-01	Filtration Ramp 2 ports & accessories	1
200-B2005-01	Filtration Ramp 3 ports & accessories	1
200-B2006-01	Filtration Ramp 6 ports & accessories	1
CHXCS0420	Filtration Ramp (2 positions)	1
200-B0118-01	Glass filter support	1
200-B0119-01	Funnel 100ml	1
200-B0123-01	Filtration support FIFU	1
200-B0126-01	Polypropylene waste bottle 4 Litre	1
200-B0127-01	Cap for polypropylene waste bottle, 3 way connector	1
CHXCS0430	Reagents Holder	1
200-B0129-01	Ultrasonic cleaning bath	1
200-B0131-01	Filtration Ramp, 3 port, stainless steel, 3 way valves	1
200-B0136-01	Filtration Ramp, 6 port, stainless steel, 3 way valves	1
200-C4003-01	Tubing 8 x 14mm (3m)	1



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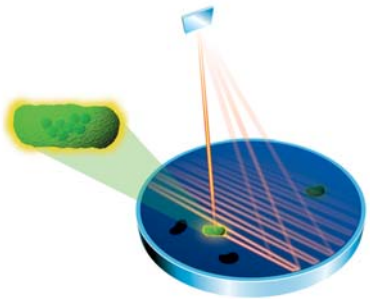
ScanRDI®

Reagents

Reference	Description	Presentation
201-R1007-03	ChemChrome V6 (0.75ml)	1
205-R2023-02	ChemSol B16 (20ml)	5
205-R2050-01	ChemSol A4 (13ml)	5
205-R4091-01	CSE/2 (20ml)	5
101-R5091-02	Standard C (50ml)	1
201-R5070-01	Standard C3 (2ml)	1
200-C2010-01	ChemFilter CB04	100
200-C2107-01	Support Pad	100
200-C3012-02	Labelling Pad	200



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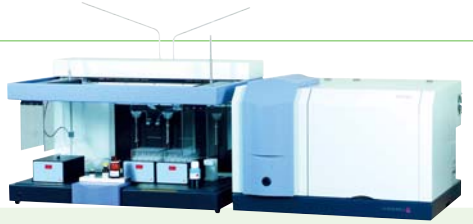
D-Count®



CHEMUNEX™ D-Count

Instruments

Reference	Description	Presentation
301-A0001-01	D-Count System F (Cosmetic)	1
301-A0002-01	D-Count System C (Food)	1
CHXDC0043	Automate Food D-Count	1
CHXDC0043B	Automate Cosmetic D-Count	1
CHXDC0148	D-Count II	1
500-B0001-01	On line UPS GXT 1500VA - 230V	1
300-B0108-03	Centrifuge (48 x 20ml Tube) - 220V	1
300-B0107-05	Centrifuge SL-40 - 230V	1

Food Applications

301-D0511	Direct Counts in Process Water
301-D0711	Yeast Detection in Fermented Milk Products
301-D0714	Sterility Test in Desserts
301-D0720	Sterility Test in UHT Milk
301-D0745	Presence/Absence Test of *Enterobacteriaceae* in Fermented Milk Products
301-D0716	Yeast Detection in Fruit Preparations and Fruit Juices
301-D0757	Presence/Absence Test of Yeasts and Moulds in Non Filterable Beverages and Fruit Juices
301-D0747	Yeast and Mould Detection in Non Filterable Beverages and Fruit Juices
301-D0768	Presence/Absence Test of Yeasts and Moulds in Filterable Beverages
301-D0715	Sterility Test in Fruit Preparations and Fruit Juices
301-D0717	Sterility Test in Soups

AUTOMATED TESTING

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- Gen-Probe®

BactiFlow® ALS

CHEMUNEX™

BactiFlow™ ALS
Automated Labeling System

Instruments

Reference	Description	Presentation
400-A0001-01	BactiFlow ALS (110-220V)	1
500-B0001-02	On line UPS GXT 1500VA & cables - 230V	1
CHXBF0042A	BactiFlow (Config ALS)	1
CHXBF0043	Automated Labelling System	1
400-B0014-03	Centrifuge (28 x 20ml Tube) - 220V	1
400-B0015-02	Centrifuge SL16 - 230V	1

Food Applications

400-D0511	Direct Counts in Process Water
400-D0711	Yeast Detection in Fermented Milk Products
400-D0714	Sterility Test in Desserts
400-D0720	Sterility Test in UHT Milk
400-D0745	Presence/Absence Test of *Enterobacteriaceae* in Fermented Milk Products
400-D0716	Yeast Detection in Fruit Preparations and Fruit Juices
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400-D0747	Yeasts and Moulds Detection in Non Filterable Beverages and Fruit Juices
400-D0768	Presence/Absence Test of Yeasts and Moulds in Filterable Beverages
400-D0715	Sterility Test in Fruit Preparations and Fruit Juices
400-D0717	Sterility Test in Soups

BIOMÉRIEUX INDUSTRY

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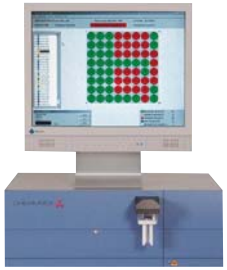
BactiFlow®

CHEMUNEX™ BactiFlow™ Microbial Compact Analyzer

Food Applications

Reference	Description	Presentation
302-D0511	Direct Counts in Process Water	
302-D0711	Yeast Detection in Fermented Milk Products	
302-D0714	Sterility Test in Desserts	
302-D0720	Sterility Test in UHT Milk	
302-D0745	Presence/Absence Test of *Enterobacteriaceae* in Fermented Milk Products	
302-D0716	Yeast Detection in Fruit Preparations and Fruit Juices	
302-D0747	Yeast and Mould Detection in Non Filterable Beverages and Fruit Juices	
302-D0715	Sterility Test in Fruit Preparations and Fruit Juices	
302-D0717	Sterility Test in Soups	



BIOMÉRIEUX INDUSTRY

AUTOMATED TESTING

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- D-Count®
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- BactiFlow
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  - Product information – BacT/ALERT and VIRTUO™
  - BacT/ALERT Bottles
  - BacT/ALERT Consumables & Accessories
- Product information – Polycarbonate Bottles & Colorimetric Technology
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VirtuO™ BacT/ALERT

VIRTUO | BacT/ALERT 3D Dual-T

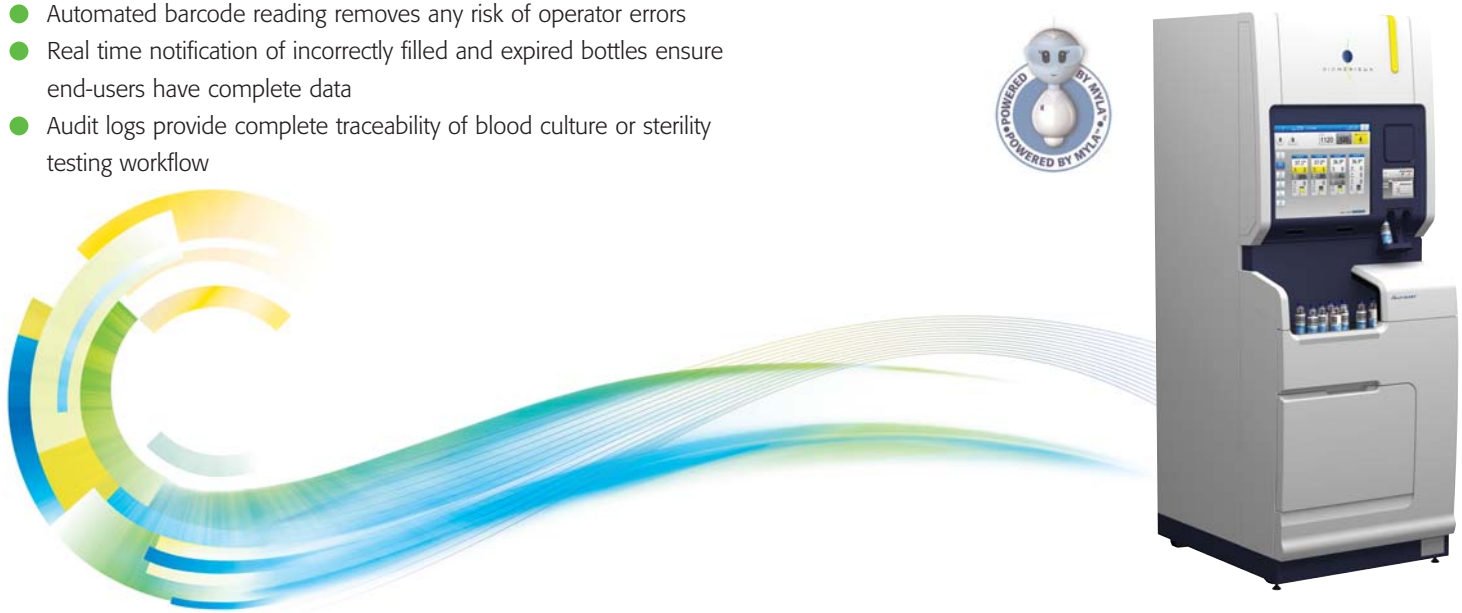
VIRTUO™ – Next Generation of BacT/ALERT®

Microbial Detection System That May Be Used For Sterility Testing

VIRTUO is incredibly easy to use ensuring all staff can easily place bottles on to the conveyor belt. The instrument will automatically scan bottle barcodes and sample numbers. VIRTUO will also check and alert users in 'real time' if bottles are loaded with an incorrect volume of sample or if they have passed their expiration date.

All routine maintenance on the BacT/ALERT VIRTUO is fully automated with no requirement for any daily, weekly or monthly intervention by staff.

- Innovative algorithms reduce time to detection providing faster results
- Automated loading and unloading of bottles reduces hands on time
- Automated barcode reading removes any risk of operator errors
- Real time notification of incorrectly filled and expired bottles ensure end-users have complete data
- Audit logs provide complete traceability of blood culture or sterility testing workflow



AUTOMATED TESTING

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- ScanRDI®
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- BactiFlow
- **BacT/ALERT® for Sterility Applications**
  - Product information – BacT/ALERT and VIRTUO™
  - BacT/ALERT Bottles
  - BacT/ALERT Consumables & Accessories
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- DiversiLab®
- Gen-Probe®

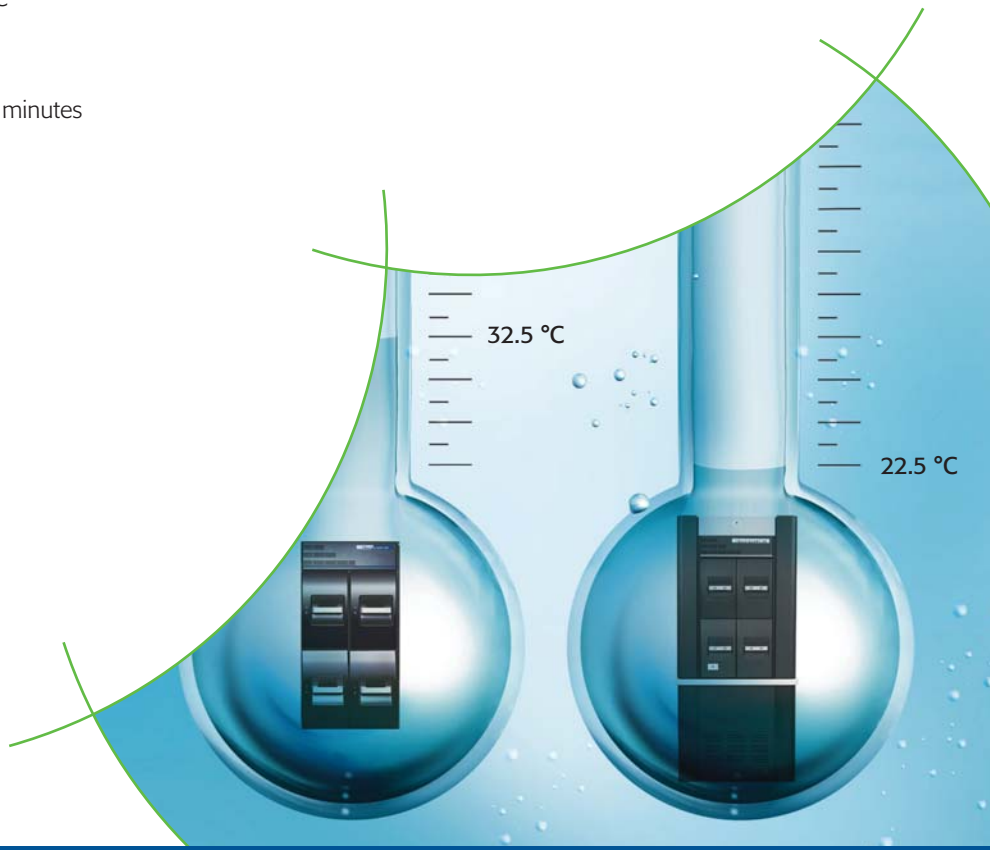
BIOMÉRIEUX INDUSTRY

BacT/ALERT 3D™ Dual-T

VIRTUO | BacT/ALERT 3D Dual-T

The First **Fully Automated,** Growth Based **Dual Temperature Microbial Detection System** That May Be Used For Sterility Testing

- A rapid microbial method that provides an alternative to the compendial method for sterility testing
- Samples can be incubated at 32.5 °C and 22.5 °C
- Robust detection of bacteria, yeasts and moulds
- Bottles are inoculated directly with a sample
- Continuous monitoring, bottles are read every 10 minutes
- Objective test results
- No manual reading
- Implementation guide to assist in validation



AUTOMATED TESTING

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  - BacT/ALERT Consumables & Accessories
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- Gen-Probe®

BacT/ALERT® for Sterility Applications

BACT/ALERT 3D™

BacT/ALERT Bottles

Reference	Description	Presentation
259789	BacT/ALERT SA Standard Aerobic Culture bottles	100 Bottles
259790	BacT/ALERT SN Standard Anaerobic Culture bottles	100 Bottles
410851	BacT/ALERT FA Plus Aerobic Culture bottles	100 Bottles
410852	BacT/ALERT FN Plus Anaerobic Culture bottles	100 Bottles
279018	BacT/ALERT BPA Culture bottles	100 Bottles
279019	BacT/ALERT BPN Culture bottles	100 Bottles
259786	BacT/ALERT iAST Culture bottles	100 Bottles
259785	BacT/ALERT iNST Culture bottles	100 Bottles
412990	BacT/ALERT iFA Plus Aerobic Culture bottles	100 Bottles
412995	BacT/ALERT iFN Plus Anaerobic Culture bottles	100 Bottles
410853	BacT/ALERT PF Plus Paediatric Culture bottles	100 Bottles
251062	BacT/ALERT iFA Anaerobic Culture bottles	100 Bottles
259788	BacT/ALERT iLYM Culture bottles	100 Bottles

BacT/ALERT Consumables & Accessories

233766	BacT/ALERT Airway Sub vent units	100
279012	BacT/ALERT Adaptor caps (blue)	120
279013	BacT/ALERT Adaptor inserts (blue)	60
940-0046-01	Bottle Transport Rack	48 Wells
259662	Generic Barcode Labels	2,000
419142 *NEW*	IT2 Safety Subculture Unit	60
413200	Greiner Blood Collection Holder	320

SA

SN

FA Plus

FN Plus

PF Plus

AUTOMATED TESTING

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- Gen-Probe®

Polycarbonate Bottles

BACT/ALERT 3D™

Our users also benefit from bioMérieux's revolutionary, virtually unbreakable, polycarbonate culture bottles.

These offer enhanced safety as glass is removed from the workplace. The bottles are also significantly lighter than glass ensuring that waste disposal costs are minimal.

Negative Bottle

Positive Bottle

Colorimetric Technology

The BacT/ALERT® 3D system uses the most up to date colorimetric technology. This offers improved time to detection in two ways:

First, they provide visual notification of positive bottles as they arrive in the laboratory. This means that bottles may be sub-cultured before they are loaded onto the system thereby improving the turn around time.

Also delayed entry bottles will flag positive two hours after loading. There is no need to wait until these positive bottles enter the next phase of the bacterial life cycle before flagging.

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- Gen-Probe®

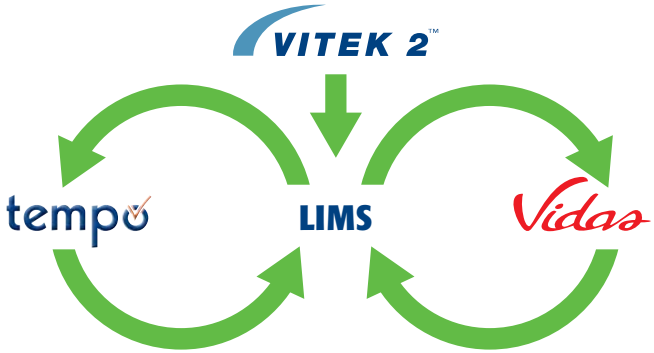
Automated Immunoassay for Food Pathogen Detection

MINI Vidas Vidas

VIDAS® – Everywhere, Anytime, by Anybody

- Flexible assays and protocols for all the major food pathogens and food matrices
- Easy to use and a truly 'walk away' system
- Sample is added to the VIDAS Strip which contains all of the reagents
- VIDAS SPR acts as the solid phase of the assay and is coated with specific antibodies and/or bacteriophage tails to capture the target organism or toxin
- Provides either a definitive result requiring no interpretation or an immuno-concentrated sample which can be used to culture the target organism on a plate
- VIDAS can be connected to your laboratory information management system (LIMS)

Click play to view a video that explains the VIDAS principles (viewing time 1.33 min).



Flexible Throughput

VIDAS 30 is capable of running individual samples or up to 30 samples simultaneously. VIDAS 30 is a modular system that can be used to create VIDAS systems with greater capacity, the largest is capable of running up to 1,000 samples a day.

On mini VIDAS, samples can be run individually or up to 12 simultaneously. Due to the unique reaction kinetics created by the use of the SPR as the solid phase of the assay, assay are rapid and allow for around 70 samples to be run a day.

To find the VIDAS assay or protocol most suited to your laboratory, **CLICK HERE** to contact us.

Proven Technology

Validations have been performed by international organisations (AFNOR, AOAC, Microval) in accordance with ISO 16140.

For our AFNOR certificates, **CLICK HERE**.

For our AOAC certificates, **CLICK HERE**.

For our Microval certificates, **CLICK HERE**.

BIOMÉRIEUX INDUSTRY

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- Gen-Probe®

VIDAS® Constantly Evolving With You

VIDAS UP

Extremely Simple, Extremely Rapid Pathogen Detection

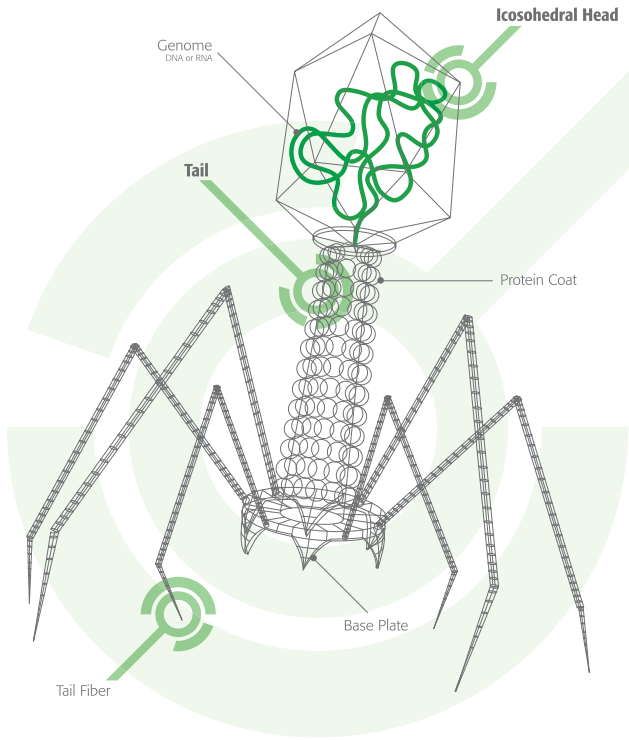
VIDAS UP

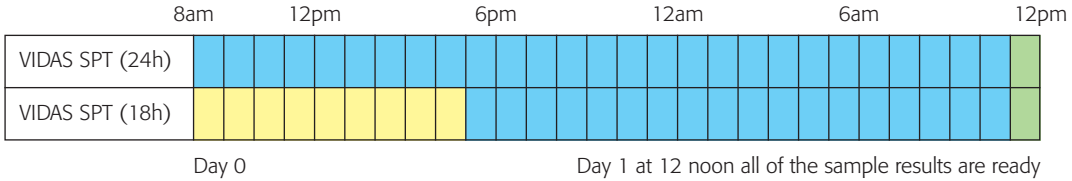
Salmonella

The simplest solution for the next day (19 hours) detection of motile and non-motile *Salmonella* strains.

- One broth, one strip, results the next morning – within the hour
- Innovative combination of recombinant phage technology and immunoassay
- Safe, sensitive and specific
- One pipette step and no plates to read
- Same broth can be used for testing for *E. coli* O157:H7 and Quality Indicators for improved productivity
- Proven performance: ISO 16140 validation for all food and environmental (production) samples.
- Flexible workflow means samples can be set up through out the day (Day 0) and results are still ready in the morning the following day (Day 1)

For the VIDAS UP *Salmonella* AFNOR certificate **CLICK HERE**.





- Period in which samples can be processed for results the morning of Day 1
- Enrichment 18–24 hours
- VIDAS UP SPT strip – Heat, Cool, Run, total time 52 minutes

AUTOMATED TESTING

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- Gen-Probe®

VIDAS® Constantly Evolving With You

VIDAS UP

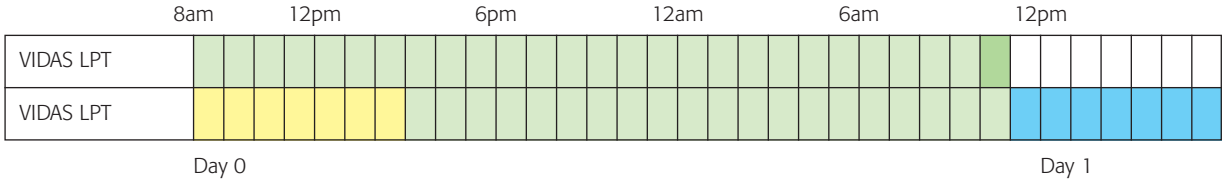
Extremely Simple, Extremely Rapid Pathogen Detection

VIDAS UP ***Listeria***

- Recombinant phage technology means one broth, one strip and Next Day detection (26 hours) of *Listeria* species
- Recombinant phage technology means extremely simple protocols: one broth, one pipette step and no plates to read
- Recombinant phage technology means extremely flexible workflows so that food and environmental samples can be processed throughout the day for results on Day 1:
  - Food samples 26–30 hours
  - Environmental samples 22–30 hours
- Proven performance: ISO 16140 validation for 2012, all food and environmental (production) samples. Largest AFNOR scope plus AOAC OMA

For the VIDAS UP *Listeria* AFNOR certificate **CLICK HERE**.

LPT Assay 375g sample size: 1:4 dilution validated to ISO 16140.



- Flexible incubation of single enrichment step (product testing, 26–30 hours, environmental testing, 22–30 hours)
- Period in which samples can be processed for results in Day 1 (8am–3pm)
- VIDAS UP LPT strip – Heat, Cool, Run
- Period over which results would be available

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VIDAS® Constantly Evolving With You

VIDAS UP

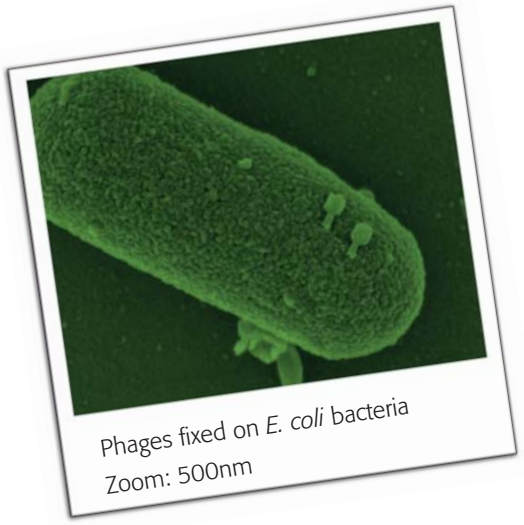
Extremely Simple, Extremely Rapid Pathogen Detection

VIDAS UP

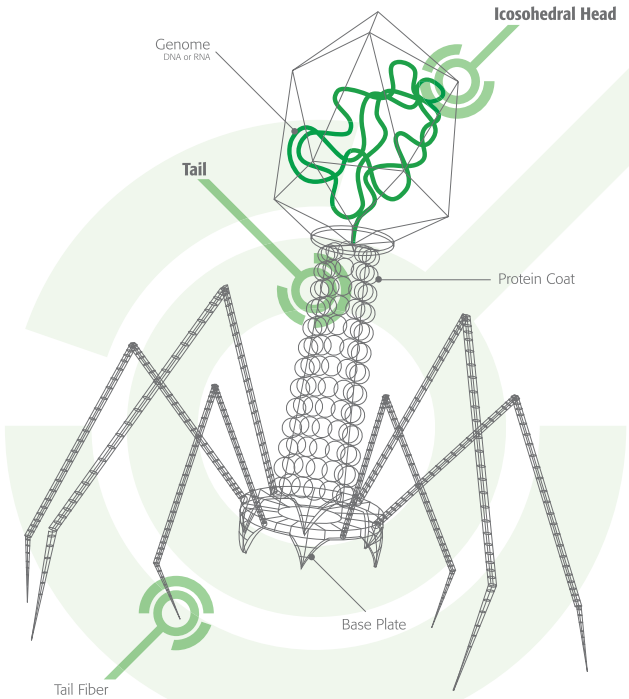
E. coli O157:H7

- Next Day detection of *E. coli* O157:H7 in food, feed, soil and environmental samples
- Breakthrough technology using recombinant proteins from specific bacteriophage tails
- One broth, one strip, same day results
- Same broth can be used for *Salmonella* and Quality Indicator testing for improved productivity
- Phage recognition elements used to provide unrivalled performance in assay sensitivity and specificity
- Safe to use

For the VIDAS UP *E. coli* O157:H7 AFNOR certificate **CLICK HERE.**



Phages fixed on *E. coli* bacteria
Zoom: 500nm



Unfamiliar with phage technology? Click play to view our phage video (viewing time 0.37 min).

AUTOMATED TESTING

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- D-Count®
- BactiFlow® ALS
- BactiFlow
- BacT/ALERT® for Sterility Applications
- Product information – Polycarbonate Bottles & Colorimetric Technology
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  - VIDAS Instruments
  - VIDAS Consumables & Accessories
  - VIDAS Quality Control
  - VIDAS Reagents for Food Pathogens
- TEMPO®: Automated Quality Indicator Test Solution
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- Orientation Tests
- VITEK® 2 Compact
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- DiversiLab®
- Gen-Probe®

VIDAS®

Reference	Description	Presentation

VIDAS Instruments

99088	mini VIDAS System	Instrument
99010	VIDAS 30 System	Instrument

VIDAS Consumables & Accessories

30531	VIDAS Dacron swabs	100 x 2
99747	mini VIDAS Blue Barcode Reader	One
99099	mini VIDAS Loading tray	One
99091	mini VIDAS Printer paper	5 Rolls per Pack
99027	VIDAS Barcode Reader	One
99087	VIDAS decontamination sponges	Pack of 150
93555	VIDAS Heat & Go	One
99810	VIDAS heating block	For up to 12 Samples
99098	VIDAS Loading tray	One
99187	VIDAS MLE card holder	One
30550	VIDAS Set Tubes	30 Tubes
00118	Food Safety Handbook	One

VIDAS Quality Control

30706	VIDAS QCV	60 Tests

VIDAS Next Day – Constantly Evolving with You

- VIDAS (SPT) single enrichment protocol for detection of motile and non-motile *Salmonella* species in 19 hours
- VIDAS (LMX) Simplified, Next Day detection of *Listeria monocytogenes*
- VIDAS UP *E. coli* O157, including H7, fasting screening method in 8 hours
- VIDAS (SET) for *Staph Enterotoxin*
- VIDAS UP (LPT) single enrichment step for *Listeria* species screening in less than 24 hours

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VIDAS®

VIDAS Reagents for Food Pathogens (page 1 of 6)

Listeria (page 1 of 2)

Reference	Description	Presentation
30126	VIDAS UP *Listeria* (LPT)	60 Tests
30700	VIDAS *Listeria* (LIS)	60 Tests
30224	VIDAS *Listeria* Xpress (LSX)	60 Tests
30704	VIDAS *Listeria monocytogenes* II (LM02)	60 Tests
30123	VIDAS *Listeria monocytogenes* Xpress (LMX)	60 Tests
30225	VIDAS *Listeria* Duo (LDUO)	60 Tests
Culture Media Broths		
AEB400050	ALOA® agar	10 Plates 140mm
42046	Fraser broth	6 x 225ml
42072	Fraser broth	20 Tubes x 10ml
42627	Fraser broth (half) *	3 x 3 Litre Bags
AEB910913/4	Fraser broth (half)	4 x 3 Litre Dilubag®
42727	Fraser broth (half) *	10 x 225ml MiniBags
42048	Fraser broth (half)	6 x 225ml
42112	Fraser broth (half) *	20 Tubes x 10ml
44523	*Listeria* broth (UVM I) *	50 x 10ml
42649	LMX broth (for use with VIDAS LMX)	3 x 3 Litre Bags
42749	LMX broth (for use with VIDAS LMX)	10 x 225ml MiniBags
42647	LMX broth (for use with VIDAS LMX)	6 x 225ml
42648	LMX broth supplement (for use with VIDAS LMX)	6 Vials
410849	LPT broth (for use with VIDAS UP LPT) *	3 x 3 Litre Bags
410847	LPT broth (for use with VIDAS UP LPT) *	10 x 225ml
410848	LPT broth (for use with VIDAS UP LPT) *	6 x 225ml
410846	LPT broth (for use with VIDAS UP LPT) *	6 x 100ml
410845	LPT broth (for use with VIDAS UP LPT) *	20 x 10ml
42628	LX broth (for use with VIDAS LSX or LDUO) *	3 x 3 Litre Bags
42626	LX broth (for use with VIDAS LSX or LDUO)	6 x 225ml
42635	LX broth (for use with VIDAS LSX or LDUO)	6 x 100ml
42120	LX broth (for use with VIDAS LSX or LDUO)	20 Tubes x 10ml
42117	LX broth (for use with VIDAS LSX or LDUO)	20 Tubes x 6ml

* Standing orders required. This product may have a lead time, please contact us to discuss availability.

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Reference	Description	Presentation

VIDAS®

VIDAS Reagents for Food Pathogens (page 2 of 6)

Listeria (page 2 of 2)

Culture Media Plates

AEB520080	ALOA® agar	20 Plates 90mm
AEB520079	ALOA agar	120 Plates 90mm
AEB120082	ALOA agar	10 Plates 140mm
AEB120100	ALOA Confirmation agar	10 Plates 90mm
AEB620088	ALOA Count (Kit)	5 x 200ml + supplement Qsp 200ml
43661	chromID™ Lmono	20 Plates
42661	chromID Lmono	4 x 200ml + 4 x 2 supplement
AEB522000	Listeria Oxford Gélose	20 Plates 90mm
AEB522050	Palcam agar	20 Plates 90mm
AEB522049	Palcam agar	120 Plates 90mm

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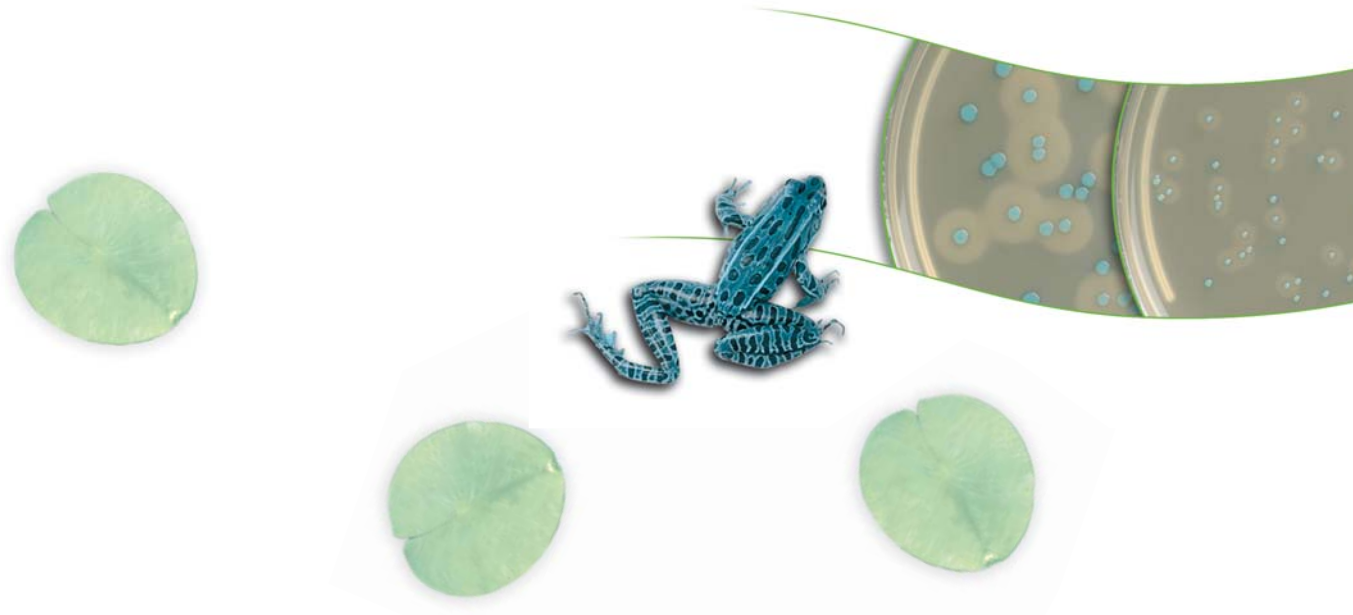

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VIDAS®

VIDAS Reagents for Food Pathogens (page 3 of 6)

Salmonella (page 1 of 2)

Reference	Description	Presentation
30707	VIDAS UP *Salmonella* (SPT)	60 Tests
30702	VIDAS *Salmonella* (SLM)	60 Tests

Culture Media Broths

42629	Buffered Peptone water *	3 x 3 Litre Bags
42729	Buffered Peptone water *	10 x 225ml MiniBags
42043	Buffered Peptone water	6 x 225ml
42042	Buffered Peptone water	6 x 90ml
42111	Buffered Peptone water	100 x 9ml
42610	ICS broth	100 x 2ml
42077	M broth	20 Tubes x 10ml
42110	Rappaport Vassiliadis (RVS) broth *	20 x 10ml
44273	Rappaport Vassiliadis (RVS) broth *	50 x 10ml
44298	Rappaport Vassiliadis (RVS) broth *	10 x 40ml
44322	Rappaport Vassiliadis (RVS) broth *	10 x 100ml
42650	*Salmonella* supplement (for use with BPW for VIDAS SPT)	8 Bottles (14 Tests x Bottle)
44262	Selenite Cystine broth *	50 x 10ml
42121	SX 2 Broth (for use with VIDAS Easy SLM)	20 Tubes x 10ml

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Reference	Description	Presentation

VIDAS®

VIDAS Reagents for Food Pathogens (page 4 of 6)

Salmonella (page 2 of 2)

Culture Media Plates

43621	chromID™ Salmonella	20 Plates
43629	chromID Salmonella	100 Plates
43111	Hektoen agar	20 Plates
43119	Hektoen agar	100 Plates
41554	Hektoen agar	6 x 200ml
43563	Xylose Lysine Desoxycholate (XLD) agar	20 Plates
43564	Xylose Lysine Desoxycholate (XLD) agar *	100 Plates
43701	XLT4 agar	20 Plates

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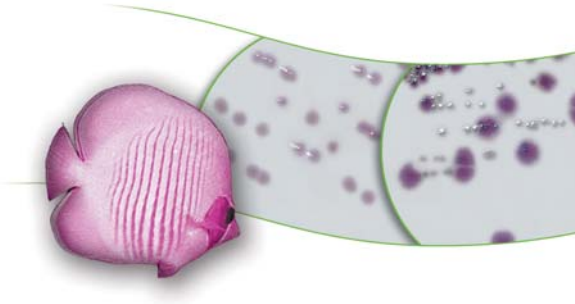

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Reference	Description	Presentation

VIDAS®

VIDAS Reagents for Food Pathogens (page 5 of 6)

Campylobacter

30111	VIDAS *Campylobacter* (CAM)	30 Tests
30551	CombiBag (for use with 96125)	3 x 10 Bags
96125	GENbox Microaer	10 Sachets

Culture Media

43471	CampyFood agar	20 Plates
42643	CampyFood broth	10 x 225ml MiniBags

Staphylococcal Enterotoxin

30705	VIDAS *Staph Enterotoxin* II (SET2)	30 Tests

Ready to Use Media in Bags – Making Life Easier!

MiniBags have rapid pour to set up samples quickly and easily. The 3 litre bags can be used manually or with the pinch dilutor for high-volume sample set up.

Available for the pre-enrichment, enrichment and selective enrichment of *Salmonella*, *Listeria* and *Campylobacter*:

- *Listeria*
  - Fraser broth (half) 225ml MiniBags and 3 Litre bags
  - LX broth for VIDAS LSX (Next Day for *Listeria* species) 3 Litre bags
  - LMX broth 225ml MiniBags and 3 Litre bags
- *Salmonella*
  - Buffered Peptone water 225ml MiniBags and 3 Litre bags
- *Campylobacter*
  - CampyFood broth 90ml and 225ml MiniBags

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Reference	Description	Presentation

VIDAS®

VIDAS Reagents for Food Pathogens (page 6 of 6)

E. coli O157

30526	VIDAS Immuno-concentration *E. coli* O157 (ICE)	30 Tests
30122	VIDAS UP *E. coli* O157:H7 (ECPT)	30 Tests

Culture Media

42629	Buffered Peptone water *	3 x 3 Litre Bags
42729	Buffered Peptone water *	10 x 225ml MiniBags
42043	Buffered Peptone water	6 x 225ml
43391	CT-SMAC agar	20 Plates
42630	chromID™ O157:H7	5 x 20ml
42605	chromID O157:H7	6 x 200ml
42607	SMAC agar	6 x 200ml
42606	CT-supplement	6 x 4ml
412498	Vancomycin supplement	6 x 5ml

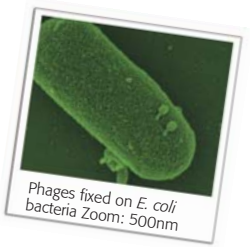
*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

VIDAS UP™

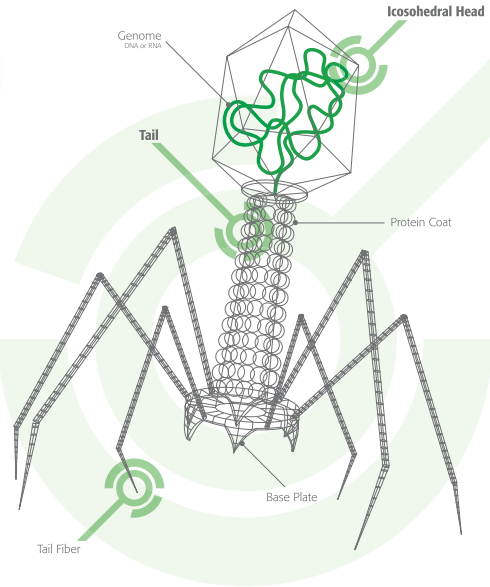
Step Up Your *E. coli* O157:H7 Risk Management

- Next Day detection of *E. coli* O157:H7 in food, feed, soil and environmental samples
- Breakthrough technology using recombinant proteins from specific bacteriophage tails
- Phage recognition elements used to provide unrivalled performance in assay sensitivity and specificity
- Safe to use

Unfamiliar with phage technology? Click play to view our phage video (viewing time 0:37 min).



Phages fixed on *E. coli* bacteria Zoom: 500nm



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The First Automated Solution for
Quality Indicator Enumeration in Food Products

tempo

TEMPO | TEMPO System | TEMPO Cards

Managing the Variability of Workload & Optimising the Management of Your Team

- Same protocol for all parameters and food matrices
- Less than a day required for training for routine use
- Manages low to high throughput
- Automated reading
- Flexibility of reading period

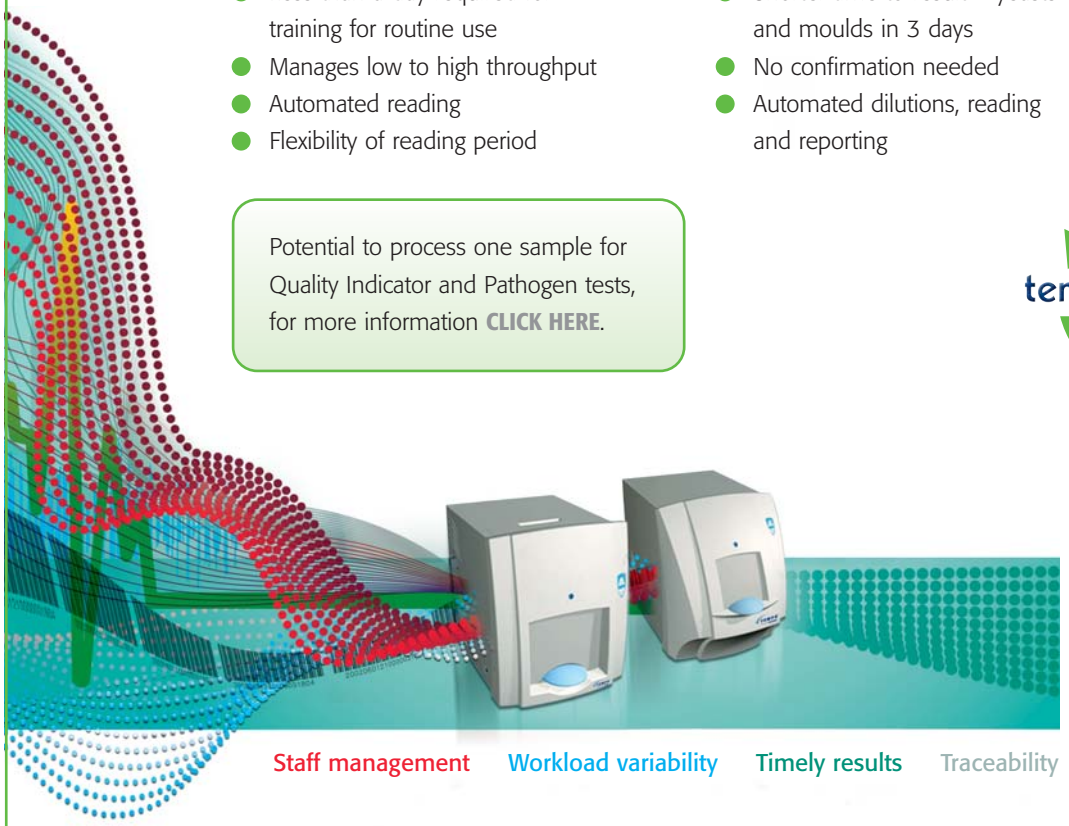
Providing Accurate and Timely Results

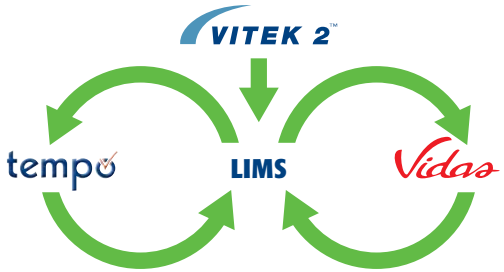
- Internationally validated and recognised – CLICK HERE for our ISO 16140 certificates
- Shorter time to result – yeasts and moulds in 3 days
- No confirmation needed
- Automated dilutions, reading and reporting

Traceability

- Barcode system
- Record of all steps
- Automated reporting
- Connection to LIMS
- Reduced transcriptions

Potential to process one sample for Quality Indicator and Pathogen tests, for more information CLICK HERE.





Be Switched On, Be Connected!

TEMPO® Ensures Consistent Quality Control

BIOMÉRIEUX INDUSTRY

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Confirmed Results with TEMPO®

tempo

Principle

- 16 tube MPN method but miniaturised and automated
- Specific culture media in vials used with the innovative TEMPO card
- Calculates the number of Quality Indicator organisms in the initial sample in cfu/g
- One TEMPO configuration performs up to 500 tests per day
- Multiple units can be linked to give greater capacity
- One broth can be used for Quality Indicator and Pathogen testing

TEMPO Workflow

- Four simple steps
  - Two steps you do already
  - Two steps are TEMPO specific
- Confirmation
  - One step you no longer have to do!

Click play to view our TEMPO video (viewing time 2:57 minutes)

Preparation of samples

Automatic dilution and inoculation on the TEMPO preparation station

Incubation in your standard incubator

Automatic reading and interpretation on the TEMPO reading station

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TEMPO® Accuracy is Recognised Worldwide by Validation Bodies Such as AFNOR & AOAC

Confirmed Results with TEMPO!

AC **411113 TEMPO AC**: Enumeration of aerobic mesophilic flora in as little as 24 hours.
- AFNOR/ISO 16140 BIO 12/35-05/13 (to see the AFNOR Certificate **CLICK HERE**)
- AOAC RI Performance Tested℠ Method

BC **80106 TEMPO BC**: Enumeration of *Bacillus cereus* group in 22–27 hours
- AOAC RI Performance Tested℠ Method – Certificate N° 071401
- ISO 16140 pending

EB **80003 TEMPO EB**: Enumeration of *Enterobacteriaceae* in 24 hours
- AFNOR/ISO 16140 BIO 12/21-12/06 (to see the AFNOR Certificate **CLICK HERE**)
- AOAC RI Performance Tested℠ Method – Certificate N° 050801

TC **80006 TEMPO TC**: Enumeration of total coliforms (ISO 4832 definition) in 24 hours
- AFNOR/ISO 16140 BIO 12/17-12/05 (to see the AFNOR Certificate **CLICK HERE**)

CC **80044 TEMPO CC**: Enumeration of coliforms according to the FDA-BAM definition in 24 hours
- AOAC RI Performance Tested℠ Method – Certificate N° 060702

EC **80004 TEMPO EC**: Enumeration of *Escherichia coli* in 24 hours
- AFNOR/ISO 16140 BIO 12/13-02/05 (to see the AFNOR Certificate **CLICK HERE**)
- AOAC OMA Official Method℠ – N° 2009.02
- AOAC RI Performance Tested℠ Method – Certificate N° 060803

STA **80002 TEMPO STA**: Enumeration of coagulase-positive Staphylococci (*Staphylococcus aureus*) in 24 hours
- AFNOR/ISO 16140 BIO 12/28-04/10 (to see the AFNOR Certificate **CLICK HERE**)
- AOAC RI Performance Tested℠ Method – Certificate N° 120901

LAB **80071 TEMPO LAB**: Enumeration of Lactic Acid Bacteria in 40–48 hours

YM **80001 TEMPO YM**: Enumeration of Yeasts and Moulds in 72–76 hours
- AOAC RI Performance Tested℠ Method – Certificate N° 041001

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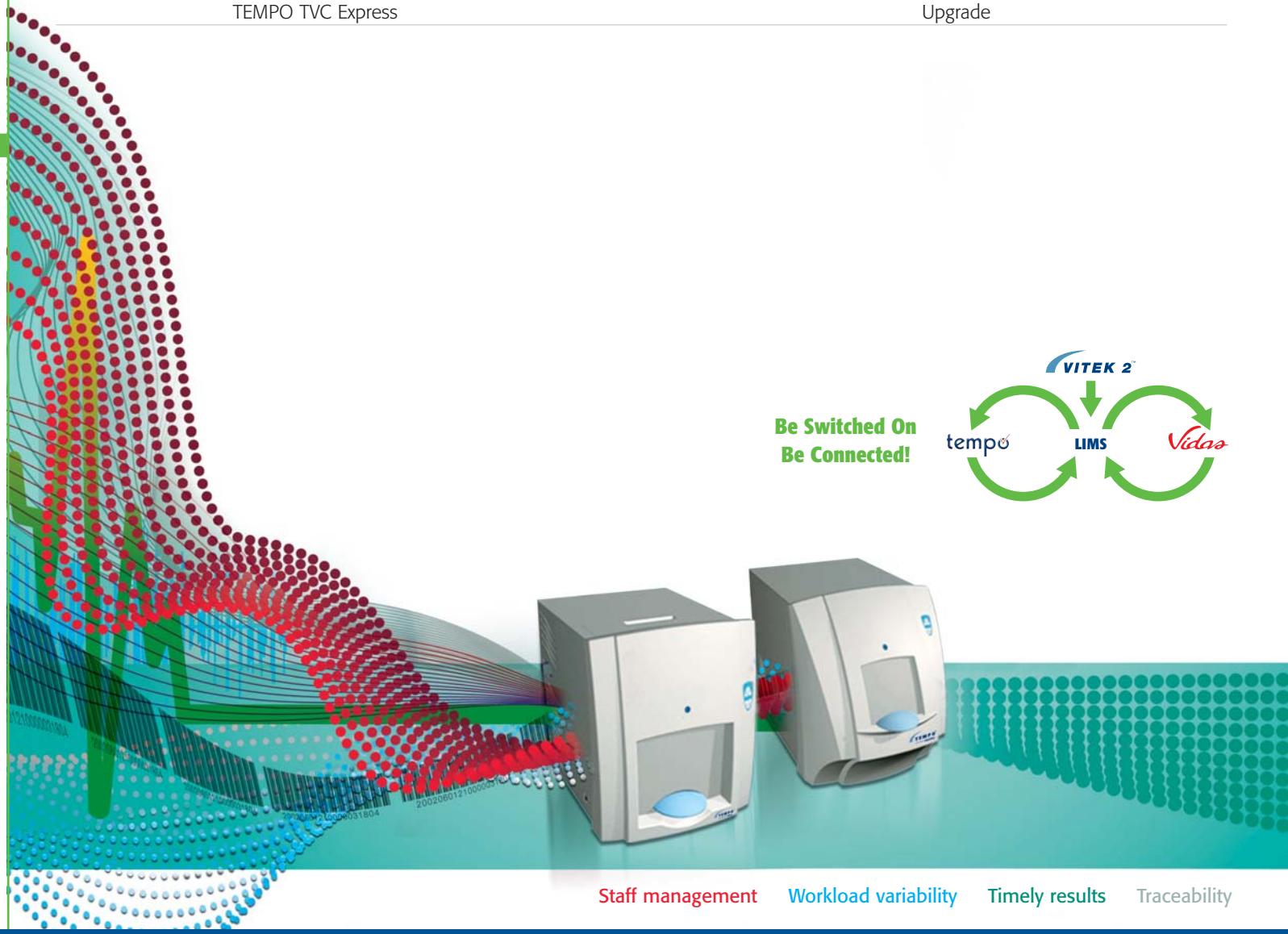
Reference	Description	Presentation

TEMPO®: Automated Quality Indicator Test Solution

TEMPO System

80029	TEMPO System	Instrument
	TEMPO TVC Express	Upgrade



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TEMPO®: Automated Quality Indicator Test Solution

TEMPO Cards

Reference	Description	Presentation
Total Viable Counts		
411113	TEMPO Aerobic Count *	48 Tests (Cards & Media)
80007	TEMPO Total Viable Count *	48 Tests (Cards & Media)
Bacillus cereus		
80106 ***NEW***	TEMPO Bacillus cereus *	48 Tests (Cards & Media)
Enterobacteriaceae		
80003	TEMPO Enterobacteriaceae *	48 Tests (Cards & Media)
Total Coliforms		
80006	TEMPO Total Coliforms *	48 Tests (Cards & Media)
Coliform Count (FDA BAM)		
80044	TEMPO Coliform Count *	48 Tests (Cards & Media)
Escherichia coli		
80004	TEMPO Escherichia coli *	48 Tests (Cards & Media)
Lactic Acid Bacteria		
80071	TEMPO Lactic Acid Bacteria *	48 Tests (Cards & Media)
Staphylococcus aureus		
80002	TEMPO Staphylococcus aureus *	48 Tests (Cards & Media)
Yeasts & Moulds		
80001	TEMPO Yeast & Moulds *	48 Tests (Cards & Media)

* Standing orders required. This product may have a lead time, please contact us to discuss availability.

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- BacT/ALERT® for Sterility Applications
- Product information – Polycarbonate Bottles & Colorimetric Technology
- VIDAS®
- TEMPO®: Automated Quality Indicator Test Solution
  - Product information – TEMPO
  - TEMPO System
  - TEMPO Cards
  - TEMPO Accessories
- Product information – Identification & Typing Instruments
- Orientation Tests
- VITEK® 2 Compact
- VITEK MS: MALDI-TOF Mass Spectrometer
- DiversiLab®
- Gen-Probe®

Reference	Description	Presentation

TEMPO®: Automated Quality Indicator Test Solution

TEMPO Accessories

80015	TEMPO Bags	500 Filter Bags
80055	TEMPO Colour Cards (Incubation management tool)	24 Cards
V1200	Saline Dispenser	One
80014	TEMPO Dispenser bottles	10 Bottles
80011	TEMPO Filler tray	One
80054	TEMPO White Boards (Incubation management tool)	One
80000	TEMPO QC *	1 Control Set
80012	TEMPO Reader trays	Two
00118	Food Safety Handbook	One
	Notebook 1	One

*** Standing orders required. This product may have a lead time, please contact us to discuss availability.**

Food Safety Handbook: Microbiological Challenges

The Food Safety Handbook presents an easy to read overview on the current worldwide food safety situation and explains the challenges facing the array of stakeholders along the food chain in the context of a global food market.

It provides extensive information on today's important foodborne pathogens and includes other related food safety topics, from the implementation of HACCP plans, to future laboratory diagnostic tools and emerging foodborne pathogens etc.

The book benefits from the experience of more than 20 international experts with diverse expertise and styles. It aims to provide a modern approach to this increasingly complex issue.

Notebook 1

The bioMérieux Industry Introductory Notebook on 'Microbiological Indicators in the Food Industry' is the first in a novel series af articles of this theme.

This Notebook is co-authored by Lee-Ann Jaykus, North Carolina State University, US and Peter McClure, Unilever, UK and provides an insight into the history and use of microbiological indicators in the food industry from a US and EU perspective. Presented in an easy-to-read format, it provides a sound introduction for subsequent Notebooks which will focus on Microbiological Indicators in specific food categories. It represents an important reference for all those concerned with microbiological food quality and safety including food industry professionals, university lecturers and students.

AUTOMATED TESTING

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- Gen-Probe®

bioMérieux's Total Solution for

Identification & Typing from Routine to Investigation

VITEK MS™

FDA de novo Clearance • FDA de novo Clearance • FDA de novo Clearance • FDA de novo Clearance • FDA

Identification | Strain Typing

VITEK MS | VITEK MS Optimised Workflow | PREVI Color Gram | VITEK 2 Compact

Revolution in Routine Identification – VITEK MS IND™ Explicitly for industry

Established Technology, Extraordinary Application

- Identification of bacteria, yeasts and mould in minutes
- 2 minutes set up
- No gram stain required
- No other orientation or supplemental tests
- Simple sample set up takes only a few minutes
  To see workflow tab, **CLICK HERE**
- Bar-coded target slides for full sample traceability
- Robust database for reliable and reproducible results
- Relevant industry database built with Environmental, Food and Water isolates
- Identification to species level for Filamentous fungi
- Low to high throughput
- CFR 21 Part 11 Compliance
- Validation package (IQ, OQ, PQ) and Generic URS
- FDA *de novo* Clearance
- Bidirectional connection for rapid flow of information

VITEK® MS Plus

- Additional open database
- Customisable database
- Research Functionalities

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VITEK MS™

VITEK® MS Optimised Workflow

Three Simple Steps!

Step 1: Sample Preparation

- Direct method for bacteria
- Direct smear plus formic acid for yeast
- 30 minute extraction for moulds, without wash steps!
- 4 target slides can be prepared in parallel
- Up to 192 sample/run
- Ready-to-use reagents
- No mixing or preparation

Step 2: Measurement

- Automated measurement
- ID in minutes (2 hours for a full, 192 sample run)
- Traceability with barcodes on target slides
- Disposable target slide

Step 3: Results Review

- Peak detection
- Pattern matching against the database
- Database built with > 29,000 spectra

If you could ID more, would you?
If you could bring all ID in-house, would you?

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PREVI™ Color Gram

Identification | Strain Typing

VITEK MS | VITEK MS Optimised Workflow | PREVI Color Gram | VITEK 2 Compact

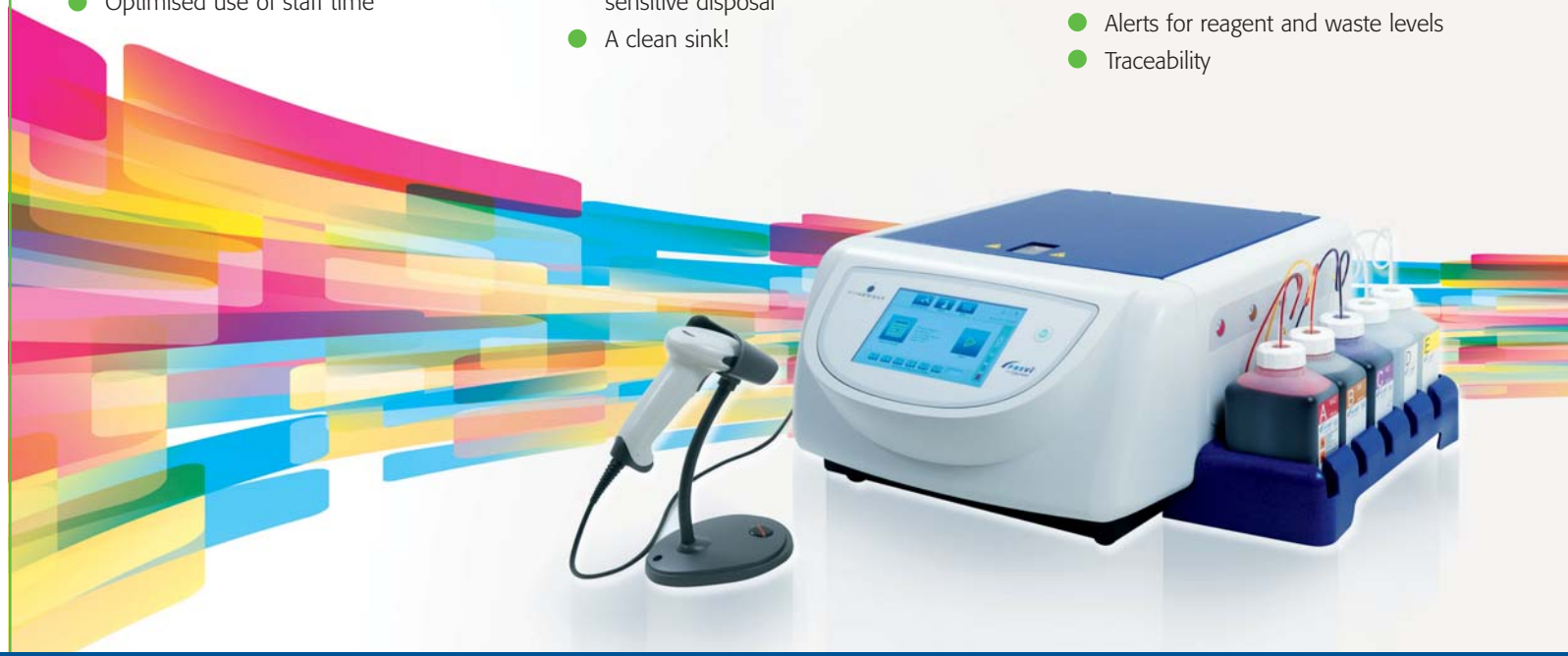
Fully Automated Gram Stain Process from Fixation to Drying

PREVI™ Color Gram presents the ideal first step to accurate and reliable microbial identifications.

- Rapid process – 3–5 minute cycle to deliver dry slides ready to read
- Consistent Gram stains
- Standardised procedure
- Economical use of reagents
- Optimised use of staff time
- Workflow consistent with the modern laboratory
- True walk away system
- Minimal handling of hazardous chemicals allows environmentally sensitive disposal
- A clean sink!

PREVI Color Gram V2 has additional features:

- Intuitive Touch screen for ease of use
- Automated cleaning
- Minimal maintenance
- Alerts for reagent and waste levels
- Traceability



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bioMérieux's Total Solution for

Identification & **Typing** from **Routine** to **Investigation**

VITEK® 2 compact

VITEK® 2 Compact **Automated Identification**

Over 1,000 systems running worldwide make VITEK 2 Compact the number one solution for routine identification. Built around Industrial requirements, VITEK 2 Compact offers rapid, reliable microbial identification with the highest degree of automation.

- Suitable for use in a CFR 21 Part 11 compliant environment
- Simple to use software
- Reduced time to results (2-18 hours)
- Validated, robust database encompassing relevant, commonly occurring Product and Environmental contaminants
- Customisable database to allow inclusion of atypical, site specific strains into a supplemental database
- Compliant to GLP
- Optimised workflow: all stages are automated from reading to recording of results
- Tried and tested validation package (IQ, OQ, PQ) and support
- Networking capability
- Traceability from culture to identification using barcoded plates and VITEK cards
- Identification cards are available for Gram Positive and Gram Negative bacteria, Bacillus, Corynebacteria, Neisseria and Haemophilus, Yeasts and Anaerobes
- Integrated QC program

VITEK 2 Compact Flexible Capacity

VITEK 2 Compact has flexible capacity and with systems available for the simultaneous identification of 15, 30 or 60 isolates, can fit in with laboratories on any size.

Click play to view a video that explains the inside of the VITEK 2 Compact (viewing time 3.14 min).

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bioMérieux's Total Solution for

Identification & Typing from Routine to Investigation

diversilab™ Strain typing

VITEK MS™

Identification | Strain Typing | DiversiLab

When to Identify? When to Investigate?

VITEK® 2 Compact or VITEK MS with DiversiLab® Provide the Right Tools to Meet the Challenge

The DiversiLab System for DNA fingerprinting and analysis is a powerful tool for tracking the source and spread of bacterial or fungal contamination in products and in the environment.

Based on patented rep-PCR technology, microbial isolates can quickly and accurately be distinguished at the subspecies and strain level.

The DiversiLab System is the only strain typing method available today that provides same day strain typing for real time epidemiological and contamination investigations.

From a bacterial or fungal colony on a plate to an identification and strain type within the working day (2 minutes + 4 hours)

Applications for Food

- Strain typing for bacteria, yeasts and moulds
- Root cause investigation
- Environmental monitoring
- Separation of strains in difficult groups of organisms such as *Bacillus cereus*
- Determination of the purity of brewing yeasts strains
- Differentiation of *Salmonella* isolates

Applications for Pharmaceutical, Biotech & Cosmetics

- Environmental monitoring
- Strain typing
- Root cause investigation
- Complement phenotypic identification – polyphasic approach
- Tracking and Trending

BIOMÉRIEUX INDUSTRY

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  - Staining: Automated Method
    - PREVI™ Color Gram System
    - PREVI Color Gram Reagents
    - PREVI Color Cytocentrifuge Consumables & Accessories
- VITEK® 2 Compact
- VITEK MS: MALDI-TOF Mass Spectrometer
- DiversiLab®
- Gen-Probe®

Reference	Description	Presentation

Orientation Tests

Staining: Automated Method

PREVI™ Color Gram System

414292	PREVI Color Gram V2	One
415591	PREVI Color Gram V2 – 12	One
415590	PREVI Color Gram V2 – 30	One
29506	PREVI Color Cytocentrifuge Rotor	One

PREVI Color Gram Reagents

29521	Acetone Fuchsin-A	500ml
29519	Acetone Safranin-A	500ml
29524	Crystal Violet-C	500ml
29522	Fuchsin-A	500ml
29523	Iodine-B	500ml
29520	Safranin-A	500ml
413570	Nozzle Cleaning Solution	500ml
29525	Nozzle Cleaning Solution	5 Litres

Fully Automated Stain Process from Fixation to Drying

The new automated gram stainer comes with:

- Improved interface with a new graphical touch screen
- Improved user friendliness through up to 10 storable programs
- Improved traceability through barcode reading of reagents
- Improved maintenance through automated cleaning of the nozzles

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Reference	Description	Presentation

Orientation Tests

PREVI™ Color Gram

Staining: Automated Method

PREVI™ Color Cytocentrifuge Consumables & Accessories

29564	Single Sample Chamber Fast	48
29565	Single Sample Chamber Slow	48
29560	Dual Sample Chambers Fast	48
29561	Dual Sample Chambers Slow	48
29563	Poly-L-Lysine Slides Single	72
29562	Poly-L-Lysine Slides Dual	72
29725	Fast White Single Cytocentrifuge Pads	100
29727	Fast White Dual Cytocentrifuge Pads	100
29726	Slow Tan Single Cytocentrifuge Pads	100
29728	Slow Tan Dual Cytocentrifuge Pads	100
29670	Cytocentrifuge Slide Protection	96

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  - VITEK 2 Compact Systems
  - VITEK 2 Compact Identification Cards
  - VITEK 2 Compact Antibiotic Susceptibility Cards
  - VITEK 2 Compact Consumables & Accessories
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- Gen-Probe®

Reference	Description	Presentation

VITEK® 2 Compact

VITEK 2 Compact Training Course

S8090	VITEK 2 Compact Training Course	2 Delegates 2 Days

VITEK 2 Compact Systems

27415	VITEK 2 Compact 15	Instrument
27630	VITEK 2 Compact 30	Instrument
27660	VITEK 2 Compact 60	Instrument

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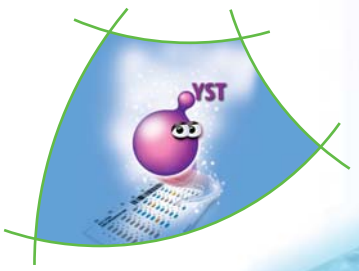
VITEK® 2 Compact

VITEK 2 Compact Identification Cards

Reference	Description	Presentation
Anaerobes		
21347	VITEK 2 ANC	20 Cards
Bacillus		
21345	VITEK 2 BCL	20 Cards
Corynebacteria		
21348	VITEK 2 CBC	20 Cards
Gram Negative		
21341	VITEK 2 GN	20 Cards
Gram Positive		
21342	VITEK 2 GP	20 Cards
Neisseria, Haemophilus & Fastidious Bacteria		
21346	VITEK 2 NH	20 Cards
Yeast		
21343	VITEK 2 YST	20 Cards



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VITEK® 2 Compact

VITEK 2 Compact Antibiotic Susceptibility Cards

Gram Negative rods

Reference	Description	Presentation
National – England & Ireland		
412936	VITEK 2 AST-N206 (Standard Enterobacteriaceae Card)	20 Cards
412918	VITEK 2 AST-N210 (Standard Non-Enterobacteriaceae Card)	20 Cards
412937	VITEK 2 AST-N207 (Standard Urine Card)	20 Cards
National – Scotland		
415672	VITEK 2 AST-N297 (Standard Enterobacteriaceae Card)	20 Cards
413722	VITEK 2 AST-N253 (Standard Non-Enterobacteriaceae Card)	20 Cards
413723	VITEK 2 AST-N254 (Standard Urine Card)	20 Cards
International		
Various	VITEK 2 AST-Nxxx ◊	20 Cards

Gram Positive cocci

Reference	Description	Presentation
National		
416911	VITEK 2 AST-P635 (Standard Staphylococcus Card)	20 Cards
415671	VITEK 2 AST-P634 (Standard Staphylococcus Card)	20 Cards
22216	VITEK 2 AST-P576 (Standard Streptococcus pneumoniae Card)	20 Cards
410028	VITEK 2 AST-ST01 (Standard Streptococcus Card)	20 Cards
22335	VITEK 2 AST-P607 (Standard Enterococcus Card)	20 Cards
International		
Various	VITEK 2 AST-Pxxx ◊	20 Cards

Yeasts

Reference	Description	Presentation
International		
414967	VITEK 2 AST-YS07	20 Cards

◊ For full details of card compositions please call your local Product Specialist.

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  - VITEK 2 Compact Consumables & Accessories
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- Gen-Probe®

Reference	Description	Presentation

VITEK® 2 Compact

VITEK 2 Compact Consumables & Accessories

V1204	VITEK 2 Saline 0.45%	3 x 500ml
V1200	VITEK 2 Saline Dispenser	One
99717	Saline Dispenser Adapter Ring	2 Rings
70610	Sterile cotton swabs	Pack of 100
417619	VITEK 2 Sterile Test tubes (capped)	Pack of 25
69285	VITEK 2 Test tubes (uncapped)	Pack of 2,000
21250	VITEK 2 DensiCHEK™ Plus	One
21255	VITEK 2 DensiCHEK Plus - Standard Reference Kit	4 Vials
V1226	2D Barcode Reader (for use with VITEK 2 Compact and Culture Media)	One

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VITEK® MS: MALDI-TOF Mass Spectrometer

VITEK MS™

Reference	Description	Presentation
VITEK MS Analyser & Accessories		
410895	VITEK MS (IVD)	Instrument
410895 +	VITEK MS PLUS (IVD & Research)	Instrument
415267	VITEK MS Prep Station	Accessory
Myla™ Middleware		
411402	Myla Middleware	One
411615	Myla bioMérieux Instrument Interface	One
410152	Myla Multiuser Licence	One Licence
410910	Myla remote access to VITEK MS software	One
VITEK MS Consumables		
410893	VITEK MS-DS Slides	1,536 Tests (32 x 48)
411071	VITEK MS-CHCA (Matrix Solution)	5 x 0.5ml
411072	VITEK MS-FA (Extraction fluid for yeasts)	5 x 0.5ml
417172 ***NEW***	VITEK MS-Blood Culture Kit (RUO)	4 x 25 Tests
411721	VITEK MS-Silica Gel	500g
301145	LyfoCults® Plus *Escherichia coli* ATCC® 8739™	2 Vials
300953	LyfoCults Plus *Candida glabrata* ATCC MYA-2950™	2 Vials
301053	LyfoCults Plus *Enterobacter aerogenes* ATCC 13048™	2 Vials

LyfoCults Plus are being phased out in 2015 and products can only be supplied subject to availability. **CLICK HERE** if you require any further information.

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  - DiversiLab Equipment
  - DiversiLab Species Fingerprinting Kits
  - DiversiLab Test Accessories
  - DiversiLab Extraction Accessories
- Gen-Probe®

DiversiLab®

DiversiLab Equipment

Reference	Description	Presentation
	DiversiLab System	Instrument

DiversiLab Species Fingerprinting Kits

Gram Positive

Reference	Description	Presentation
410962	DiversiLab *Bacillus* Kit	24 Tests
410966	DiversiLab *Clostridium* Kit	24 Tests
410969	DiversiLab *Enterococcus* Kit	24 Tests
410982	DiversiLab *Lactobacillus* Kit	24 Tests
410991	DiversiLab *Staphylococcus* Kit	24 Tests
410992	DiversiLab *Streptococcus* Kit	24 Tests

Gram Negative

Reference	Description	Presentation
410946	DiversiLab *Acinetobacter* Kit	24 Tests
410964	DiversiLab *Campylobacter* Kit	24 Tests
410968	DiversiLab *Enterobacter* Kit	24 Tests
410980	DiversiLab *Escherichia* (& *Shigella spp*) Kit	24 Tests
410981	DiversiLab *Klebsiella* Kit	24 Tests
410983	DiversiLab *Listeria* Kit	24 Tests
410988	DiversiLab *Pseudomonas* Kit	24 Tests
410989	DiversiLab *Salmonella* Kit	24 Tests
410990	DiversiLab *Serratia* Kit	24 Tests

Fungal

Reference	Description	Presentation
410965	DiversiLab *Candida* Kit	24 Tests
411008	DiversiLab Fungal (Yeasts & Molds) Kit	24 Tests
410994	DiversiLab *Saccharomyces* Kit	24 Tests

Miscellaneous

Reference	Description	Presentation
411007	DiversiLab Bacteria (Gram Positive & Gram Negative) Kit	24 Tests
410984	DiversiLab *Mycobacterium* Kit	24 Tests
410987	DiversiLab *Propionibacterium* (& *Legionella spp*) Kit	24 Tests

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  - DiversiLab Test Accessories
  - DiversiLab Extraction Accessories
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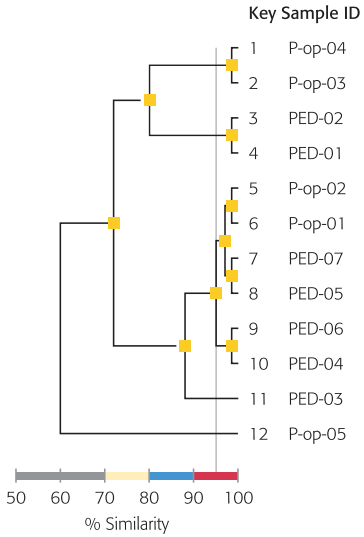
DiversiLab®

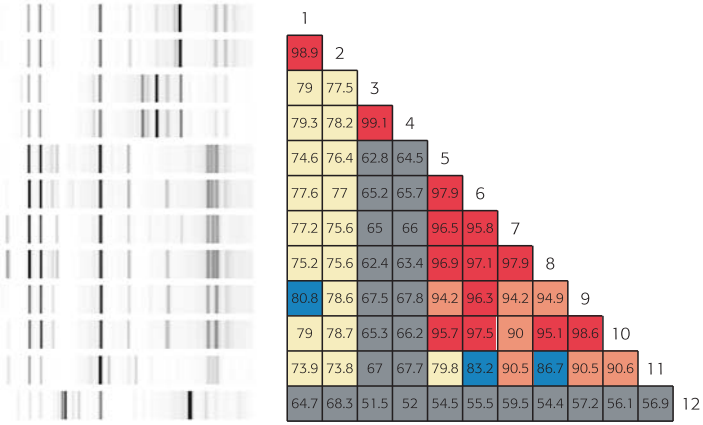
DiversiLab Test Accessories

Reference	Description	Presentation
270670	DiversiLab LabChip Kit 25 Chips	325 Tests
	Kit contains:	
	DiversiLab LabChip Reagents	325 Tests
	DiversiLab LabChip	25 LabChips x 13 Tests
	DiversiLab Syringe	Two
270715	DiversiLab LabChip Priming Station	One
270673	DiversiLab Gel Standards	1 Set
270674	DiversiLab Certification Panel	One
270656	DiversiLab Thermal Cycler QC Kit	48 Tests
411164	DiversiLab Training Kit	24 Tests

DiversiLab Extraction Accessories

270676	DiversiLab MoBio UltraClean™	250 Tests
270675	DiversiLab MoBio UltraClean	50 Tests
270677	MoBio Adaptor FOR Genie Vortex	One





DiversiLab v3.0 PC #3

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- Gen-Probe®
  - Instruments & Accessories
  - ACCUPROBE®: Culture Identification
  - Mycoplasma Tissue Culture
  - AMPLIFIED: Amplification & Detection
  - Consumables & Accessories

Reference	Description	Presentation

Gen-Probe®

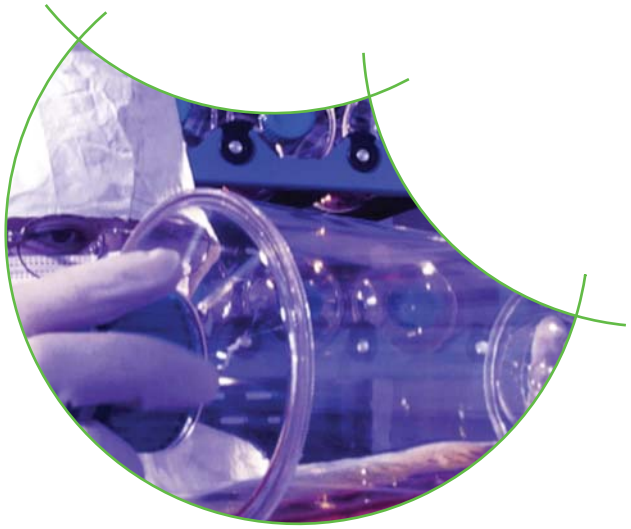
Instruments & Accessories

Heating blocks

39405	Heating Block at 42 °C	One
39406	Heating Block at 60 °C	One
39407	Heating Block at 95 °C	One
39408	Twin Heating Block at 60 °C & 95 °C	One

Sonicator

39409	Sonicator	One
39313	Sonicator Rack	One



AUTOMATED TESTING

- Product information – CHEMUNEX®
- ScanRDI®
- D-Count®
- BactiFlow® ALS
- BactiFlow
- BacT/ALERT® for Sterility Applications
- Product information – Polycarbonate Bottles & Colorimetric Technology
- VIDAS®
- TEMPO®: Automated Quality Indicator Test Solution
- Product information – Identification & Typing Instruments
- Orientation Tests
- VITEK® 2 Compact
- VITEK MS: MALDI-TOF Mass Spectrometer
- DiversiLab®
- Gen-Probe®
  - Instruments & Accessories
  - ACCUPROBE®: Culture Identification
  - Mycoplasma Tissue Culture
  - AMPLIFIED: Amplification & Detection
  - Consumables & Accessories

Gen-Probe®

GEN-PROBE

ACCUPROBE®: Culture Identification

Culture Identification kit

Reference	Description	Presentation
39305	Culture Identification Reagent Kit (Reagents 1,2,3)	100 Mycobacteria/ 200 Bacteria

Campylobacter

Reference	Description	Presentation
39502	ACCUPROBE *Campylobacter* spp	20 Tests

Listeria monocytogenes

Reference	Description	Presentation
39500	ACCUPROBE *Listeria monocytogenes*	20 Tests

Mycobacteria

Reference	Description	Presentation
39002	ACCUPROBE Mycobacterium avium	20 Tests
39001	ACCUPROBE Mycobacterium avium complex	20 Tests
39005	ACCUPROBE Mycobacterium gordonae	20 Tests
39004	ACCUPROBE Mycobacterium intracellulare	20 Tests
39003	ACCUPROBE Mycobacterium kansasii	20 Tests
39000	ACCUPROBE Mycobacterium tuberculosis complex	20 Tests

Staphylococcus aureus

Reference	Description	Presentation
39203	ACCUPROBE *Staphylococcus aureus*	20 Tests

AUTOMATED TESTING

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- BactiFlow
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  - ACCUPROBE®: Culture Identification
  - Mycoplasma Tissue Culture
  - AMPLIFIED: Amplification & Detection
  - Consumables & Accessories

Reference	Description	Presentation

Gen-Probe®

Mycoplasma Tissue Culture

39503	MTC Mycoplasma Tissue Culture NI	50 Tests

AMPLIFIED: Amplification & Detection

Mycobacteria

39006	AMPLIFIED Mycobacterium tuberculosis complex	50 Tests

Consumables & Accessories

39310	100µL Pipettes (long filter) for MTD	120 units
39308	Polypropylene Tubes	250 Tubes
39320	Polystyrene Stoppers	150 Stoppers
39307	Polystyrene Tubes	120 Tubes
39311	Rack for 50 Tubes	One

IDENTIFICATION & STRAIN TYPING

- Product information – Identification & Typing Instruments
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- Rapid Enzyme Detection & Identification
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bioMérieux's Total Solution for

Identification & Typing from Routine to Investigation

VITEK MS™

FDA de novo Clearance • FDA de novo Clearance • FDA de novo Clearance • FDA de novo Clearance • FDA

Identification | Strain Typing

VITEK MS | VITEK MS Optimised Workflow | PREVI Color Gram | VITEK 2 Compact

Revolution in Routine Identification – VITEK MS IND™ Explicitly for industry

Established Technology, Extraordinary Application

- Identification of bacteria, yeasts and mould in minutes
- 2 minutes set up
- No gram stain required
- No other orientation or supplemental tests
- Simple sample set up takes only a few minutes
  To see workflow tab, **CLICK HERE**
- Bar-coded target slides for full sample traceability
- Robust database for reliable and reproducible results
- Relevant industry database built with Environmental, Food and Water isolates
- Identification to species level for Filamentous fungi
- Low to high throughput
- CFR 21 Part 11 Compliance
- Validation package (IQ, OQ, PQ) and Generic URS
- FDA *de novo* Clearance
- Bidirectional connection for rapid flow of information

VITEK® MS Plus

- Additional open database
- Customisable database
- Research Functionalities

BIOMÉRIEUX INDUSTRY

IDENTIFICATION & STRAIN TYPING
Product information – Identification & Typing Instruments
Orientation Tests
Rapid Antigen Detection & Identification
Rapid Enzyme Detection & Identification
API® Identification
VITEK® 2 Compact
VITEK MS: MALDI-TOF Mass Spectrometer
DiversiLab®

bioMérieux's Total Solution for

Identification & Typing from Routine to Investigation

VITEK MS™

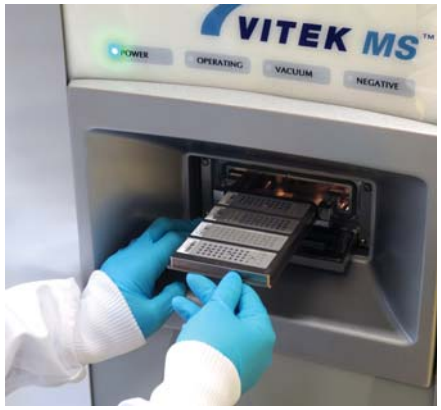
VITEK® MS Optimised Workflow

Three Simple Steps!

Step 1: Sample Preparation

- Direct method for bacteria
- Direct smear plus formic acid for yeast
- 30 minute extraction for moulds, without wash steps!
- 4 target slides can be prepared in parallel
- Up to 192 sample/run
- Ready-to-use reagents
- No mixing or preparation

Step 2: Measurement



- Automated measurement
- ID in minutes (2 hours for a full, 192 sample run)
- Traceability with barcodes on target slides
- Disposable target slide

Step 3: Results review

- Peak detection
- Pattern matching against the database
- Database built with > 29,000 spectra

If you could ID more, would you?
If you could bring all ID in-house, would you?

IDENTIFICATION & STRAIN TYPING

Product information – Identification & Typing Instruments
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DiversiLab®

bioMérieux's Total Solution for

Identification & **Typing** from **Routine** to **Investigation**

PREVI™ Color Gram

Identification | Strain Typing

VITEK MS | VITEK MS Optimised Workflow | PREVI Color Gram | VITEK 2 Compact

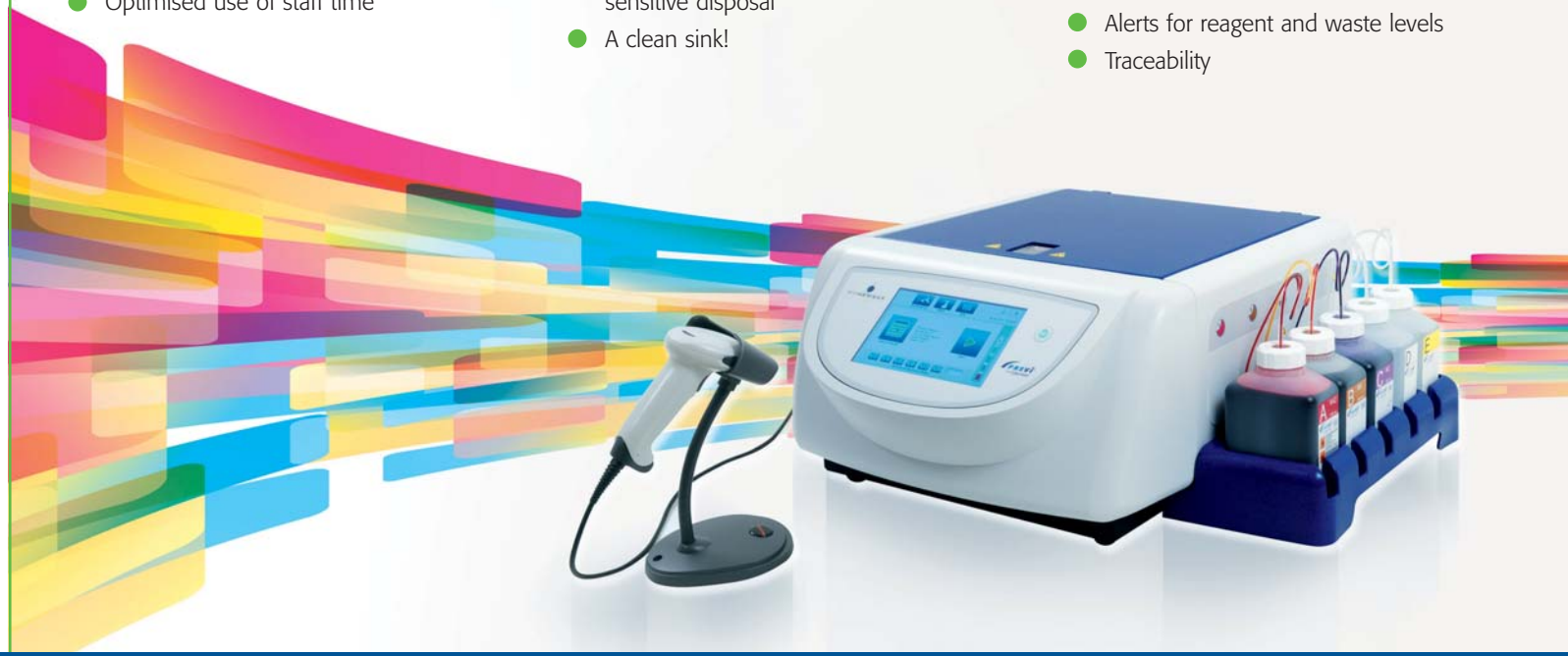
Fully Automated Gram Stain Process from Fixation to Drying

PREVI™ Color Gram presents the ideal first step to accurate and reliable microbial identifications.

- Rapid process – 3–5 minute cycle to deliver dry slides ready to read
- Consistent Gram stains
- Standardised procedure
- Economical use of reagents
- Optimised use of staff time
- Workflow consistent with the modern laboratory
- True walk away system
- Minimal handling of hazardous chemicals allows environmentally sensitive disposal
- A clean sink!

PREVI Color Gram V2 has additional features:

- Intuitive Touch screen for ease of use
- Automated cleaning
- Minimal maintenance
- Alerts for reagent and waste levels
- Traceability



BIOMÉRIEUX INDUSTRY

IDENTIFICATION & STRAIN TYPING

- Product information – Identification & Typing Instruments
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bioMérieux's Total Solution for

Identification & **Typing** from **Routine** to **Investigation**

VITEK® 2 compact

VITEK® 2 Compact **Automated Identification**

Over 1,000 systems running worldwide make VITEK 2 Compact the number one solution for routine identification. Built around Industrial requirements, VITEK 2 Compact offers rapid, reliable microbial identification with the highest degree of automation.

- Suitable for use in a CFR 21 Part 11 compliant environment
- Simple to use software
- Reduced time to results (2-18 hours)
- Validated, robust database encompassing relevant, commonly occurring Product and Environmental contaminants
- Customisable database to allow inclusion of atypical, site specific strains into a supplemental database
- Compliant to GLP
- Optimised workflow: all stages are automated from reading to recording of results
- Tried and tested validation package (IQ, OQ, PQ) and support
- Networking capability
- Traceability from culture to identification using barcoded plates and VITEK cards
- Identification cards are available for Gram Positive and Gram Negative bacteria, Bacillus, Corynebacteria, Neisseria and Haemophilus, Yeasts and Anaerobes
- Integrated QC program

VITEK 2 Compact Flexible Capacity

VITEK 2 Compact has flexible capacity and with systems available for the simultaneous identification of 15, 30 or 60 isolates, can fit in with laboratories on any size.

Click play to view a video that explains the inside of the VITEK 2 Compact (viewing time 3.14 min).

BIOMÉRIEUX INDUSTRY

IDENTIFICATION & STRAIN TYPING

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bioMérieux's Total Solution for

Identification & Typing from Routine to Investigation

Identification | Strain Typing | DiversiLab

When to Identify? When to Investigate?

VITEK® 2 Compact or VITEK MS with Diversilab® Provide the Right Tools to Meet the Challenge

The DiversiLab System for DNA fingerprinting and analysis is a powerful tool for tracking the source and spread of bacterial or fungal contamination in products and in the environment.

Based on patented rep-PCR technology, microbial isolates can quickly and accurately be distinguished at the subspecies and strain level.

The DiversiLab System is the only strain typing method available today that provides same day strain typing for real time epidemiological and contamination investigations.

From a bacterial or fungal colony on a plate to an identification and strain type within the working day (2 minutes + 4 hours)

Applications for Food

- Strain typing for bacteria, yeasts and moulds
- Root cause investigation
- Environmental monitoring
- Separation of strains in difficult groups of organisms such as *Bacillus cereus*
- Determination of the purity of brewing yeasts strains
- Differentiation of *Salmonella* isolates

Applications for Pharmaceutical, Biotech & Cosmetics

- Environmental monitoring
- Strain typing
- Root cause investigation
- Complement phenotypic identification – polyphasic approach
- Tracking and Trending

IDENTIFICATION & STRAIN TYPING

- Product information – Identification & Typing Instruments
- Orientation Tests
  - Staining: Automated Method
    - PREVI™ Color Gram System
    - PREVI Color Gram Reagents
    - PREVI Color Cytocentrifuge Consumables & Accessories
  - Staining: Manual Method
  - Catalase, Oxidase
  - Other Tests
- Rapid Antigen Detection & Identification
- Rapid Enzyme Detection & Identification
- API® Identification
- VITEK® 2 Compact
- VITEK MS: MALDI-TOF Mass Spectrometer
- DiversiLab®

Reference	Description	Presentation

Orientation Tests

Staining: Automated Method

PREVI™ Color Gram System

414292	PREVI Color Gram V2	One
415591	PREVI Color Gram V2 – 12	One
415590	PREVI Color Gram V2 – 30	One
29506	PREVI Color Cytocentrifuge Rotor	One

PREVI Color Gram Reagents

29521	Acetone Fuchsin-A	500ml
29519	Acetone Safranin-A	500ml
29524	Crystal Violet-C	500ml
29522	Fuchsin-A	500ml
29523	Iodine-B	500ml
29520	Safranin-A	500ml
413570	Nozzle Cleaning Solution	500ml
29525	Nozzle Cleaning Solution	5 Litres

Fully Automated Stain Process from Fixation to Drying

The new automated gram stainer comes with:

- Improved interface with a new graphical touch screen
- Improved user friendliness through up to 10 storable programs
- Improved traceability through barcode reading of reagents
- Improved maintenance through automated cleaning of the nozzles

IDENTIFICATION & STRAIN TYPING

- Product information – Identification & Typing Instruments
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    - PREVI™ Color Gram System
    - PREVI Color Gram Reagents
    - PREVI Color Cytocentrifuge Consumables & Accessories
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- DiversiLab®

Orientation Tests

PREVI™ Color Gram

Staining: Automated Method

PREVI™ Color Cytocentrifuge Consumables & Accessories

Reference	Description	Presentation
29564	Single Sample Chamber Fast	48
29565	Single Sample Chamber Slow	48
29560	Dual Sample Chambers Fast	48
29561	Dual Sample Chambers Slow	48
29563	Poly-L-Lysine Slides Single	72
29562	Poly-L-Lysine Slides Dual	72
29725	Fast White Single Cytocentrifuge Pads	100
29727	Fast White Dual Cytocentrifuge Pads	100
29726	Slow Tan Single Cytocentrifuge Pads	100
29728	Slow Tan Dual Cytocentrifuge Pads	100
29670	Cytocentrifuge Slide Protection	96

IDENTIFICATION & STRAIN TYPING

- Product information – Identification & Typing Instruments
- Orientation Tests
  - Staining: Automated Method
  - Staining: Manual Method
  - Catalase, Oxidase
  - Other Tests
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Reference	Description	Presentation

Orientation Tests

PREVi Color Gram

Staining: Manual Method

55542	Color Gram 2, kit	4 x 240ml
55545	Color Gram 2, R1 Oxalate Crystal Violet	2 Litre Bottle
55546	Color Gram 2, R2 Lugol PVP	2 Litre Bottle
55547	Color Gram 2, R3 Decolorizer	2 Litre Bottle
55548	Color Gram 2, R4 Safranin	2 Litre Bottle
55540	Color Gram 2, taps	Pack of 4

Catalase, Oxidase

55561	ID color Catalase	2 x 5ml
55635	Oxidase Reagent	50 Ampoules x 0.75ml
54991	Paper discs (for use with Oxidase Reagent)	50 discs

Other Tests

50120	API® M (Motility) medium	10 Ampoules x 5ml
50110	API OF medium	10 Ampoules x 5ml
55902	Bacitracin test	2 x 15 discs
55631	Kovacs Reagent	25ml
55601	ONPG	30 discs
55912	Optochin test	2 x 30 discs
55501	Potassium tellurite solution	6 x 5ml
55181	Rabbit plasma	8 x 0.5ml
55182	Rabbit plasma	3.5ml

IDENTIFICATION & STRAIN TYPING

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Rapid Antigen Detection & Identification

SLIDEX®: Latex Agglutination

Reference	Description	Presentation
Legionella		
73120	SLIDEX Legionella-Kit	50 Tests
Rotavirus		
58842	SLIDEX Rota-Kit 2	30 Tests
Staphylococcus		
73114	Disposable Cards (6 spots)	5 Packs of 10
73118	Stirring Sticks	10 x 50 Sticks
Streptococcus		
58810	SLIDEX Strepto-Kit	40-50 Tests
58815	SLIDEX Strepto A	40 Tests
58816	SLIDEX Strepto B	40 Tests
58817	SLIDEX Strepto D	40-50 Tests
58814	SLIDEX Strepto Extraction enzyme	2 x 10ml
58870	Test cards – black, disposable	5 x 10 Cards

IDENTIFICATION & STRAIN TYPING

- Product information – Identification & Typing Instruments
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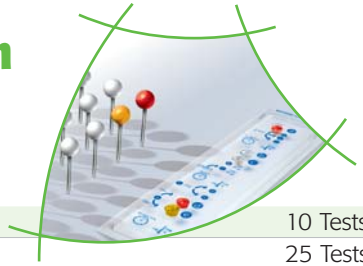
Rapid Enzyme Detection & Identification



RAPIDEC®

RAPIDEC Carbapenemase

Reference	Description	Presentation
415418 ***NEW***	RAPIDEC CARBA NP	10 Tests
417498 ***NEW***	RAPIDEC CARBA NP	25 Tests

Staphylococcus Identification in 2 hours

Reference	Description	Presentation
03300	RAPIDEC staph	30 Tests
70500	API® FVB	5ml Bottle
70700	API Suspension medium (2ml)	100 Ampoules

Listeria monocytogenes Confirmation in 4 hours

Reference	Description	Presentation
03700	RAPIDEC Lmono	20 Tests

IDENTIFICATION & STRAIN TYPING

- Product information – Identification & Typing Instruments
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- API® Identification
  - API Training Course
  - API Identification Software
  - API, RapiD, ID 32 & rapid ID 32 Strips
    - Anaerobes
    - *Bacillus*
    - *Campylobacter*
    - Corynebacterium
    - *Enterobacteriaceae*
    - Gram Negative Rods (for automatic reading on ID 32 GN)
    - *Lactobacillus*
    - *Listeria*
    - Neisseria & Haemophilus
    - Non Enteric Gram Negative Rods
    - *Staphylococcus*
    - *Streptococcus*
    - Yeasts
    - Enzymes
  - Consumables & Accessories
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Reference	Description	Presentation

API® Identification

API Training Course

57490	API Microbial Identification Course	1 Delegate 2 Days
	API Microbial Identification Course	Bespoke 2 Days

API Identification Software

40011	APIWEB®	Licence

API, RapiD, ID 32 & rapid ID 32 Strips (page 1 of 9)

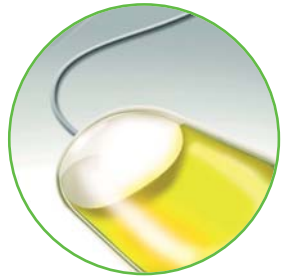
Anaerobes

API 20 A

20300	API 20 A	25 Strips and Suspension
70510	API BCP	5ml Bottle
70520	API EHR	5ml Bottle
70530	API XYL	5ml Bottle
70100	Mineral oil	125ml Bottle

rapid ID 32 A

32300	rapid ID 32 A	25 Strips
70562	API FB	2 x 5ml Ampoules
70442	API NIT 1 & NIT 2	2 x 5ml NIT 1; 2 x 5ml NIT 2 Ampoules
70542	JAMES Reagent	2 x 5ml Ampoules
70100	Mineral oil	125ml Bottle
70700	API Suspension medium (2ml)	100 Ampoules



IDENTIFICATION & STRAIN TYPING

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Reference	Description	Presentation

API® Identification

API, RapiD, ID 32 & rapid ID 32 Strips (page 2 of 9)

Bacillus

API 50 CH

50300	API 50 CH	10 Strips
50430	API 50 CHB/E medium	10 Ampoules
70902	Ampoule guards (50 CH range)	Pack of 3
70100	Mineral oil	125ml Bottle

Campylobacter

API Campy

20800	API Campy	12 Strips & media
70562	API FB	2 x 5ml Ampoules
70491	API NIN	2 x 5ml Bottles
70442	API NIT 1 & NIT 2	2 x 5ml NIT 1; 2 x 5ml NIT 2 Ampoules
70100	Mineral oil	125ml Bottle
55635	Oxidase Reagent	50 Ampoules x 0.75ml
54991	Paper discs (for use with Oxidase Reagent)	50 discs

Corynebacterium

API Coryne

20900	API Coryne	12 Strips & media
70442	API NIT 1 & NIT 2	2 x 5ml NIT 1; 2 x 5ml NIT 2 Ampoules
70492	API PYZ	2 x 5ml Bottles
70494	API ZYM A	2 x 8ml Ampoules
70493	API ZYM B	2 x 8ml Ampoules
70100	Mineral oil	125ml Bottle

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    - Corynebacterium
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    - Neisseria & Haemophilus
    - Non Enteric Gram Negative Rods
    - *Staphylococcus*
    - *Streptococcus*
    - Yeasts
    - Enzymes
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Reference	Description	Presentation

API® Identification

API, RapiD, ID 32 & rapid ID 32 Strips (page 3 of 9)

Enterobacteriaceae (page 1 of 3)

API 20 E

20100	API 20 E	25 Strips
20120	API 20 E Reagent kit (James, NIT 1, NIT 2, VP 1, VP 2, TDA)	6 x 5ml Ampoules (w/o dropper-bottles)
50120	API M (Motility) medium	10 Ampoules x 5ml
70442	API NIT 1 & NIT 2	2 x 5ml NIT 1; 2 x 5ml NIT 2 Ampoules
50110	API OF medium	10 Ampoules x 5ml
70402	API TDA	2 x 5ml Ampoules
70422	API VP 1 & VP 2	2 x 5ml VP 1; 2 x 5ml VP 2 Ampoules
70380	API Zn	2 x 10g
70542	JAMES Reagent	2 x 5ml Ampoules
70100	Mineral oil	125ml Bottle
20230	API NaCl 0.85% medium (5ml)	100 Ampoules
55635	Oxidase Reagent	50 Ampoules x 0.75ml
54991	Paper discs (for use with Oxidase Reagent)	50 discs
20150	API Suspension medium (5ml)	100 Ampoules

API 10 S

10100	API 10 S	50 Strips
70442	API NIT 1 & NIT 2	2 x 5ml NIT 1; 2 x 5ml NIT 2 Ampoules
70402	API TDA	2 x 5ml Ampoules
70542	JAMES Reagent	2 x 5ml Ampoules
70100	Mineral oil	125ml Bottle
20230	API NaCl 0.85% medium (5ml)	100 Ampoules
55635	Oxidase Reagent	50 Ampoules x 0.75ml
54991	Paper discs (for use with Oxidase Reagent)	50 discs
20150	API Suspension medium (5ml)	100 Ampoules

IDENTIFICATION & STRAIN TYPING

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Reference	Description	Presentation

API® Identification

API, RapiD, ID 32 & rapid ID 32 Strips (page 4 of 9)

Enterobacteriaceae (page 2 of 3)

RapiD 20 E

20701	RapiD 20 E	25 Strips
70422	API VP 1 & VP 2	2 x 5ml VP 1; 2 x 5ml VP 2 Ampoules
70542	JAMES Reagent	2 x 5ml Ampoules
20070	API NaCl 0.85% medium (2ml)	100 Ampoules
55635	Oxidase Reagent	50 Ampoules x 0.75ml
54991	Paper discs (for use with Oxidase Reagent)	50 discs
20710	RapiD 20 E Suspension medium	25 x 1.25ml

ID 32 E

32400	ID 32 E	25 Strips
70542	JAMES Reagent	2 x 5ml Ampoules
70100	Mineral oil	125ml Bottle
20070	API NaCl 0.85% medium (2ml)	100 Ampoules
55635	Oxidase Reagent	50 Ampoules x 0.75ml
54991	Paper discs (for use with Oxidase Reagent)	50 discs

rapid ID 32 E

32700	rapid ID 32 E	25 Strips
70510	API BCP	5ml Bottle
70542	JAMES Reagent	2 x 5ml Ampoules
70100	Mineral oil	125ml Bottle
20070	API NaCl 0.85% medium (2ml)	100 Ampoules
55635	Oxidase Reagent	50 Ampoules x 0.75ml
54991	Paper discs (for use with Oxidase Reagent)	50 discs

IDENTIFICATION & STRAIN TYPING

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  - API Training Course
  - API Identification Software
  - API, RapiD, ID 32 & rapid ID 32 Strips
    - Anaerobes
    - *Bacillus*
    - *Campylobacter*
    - Corynebacterium
    - *Enterobacteriaceae*
      - Page 1 of 3
      - Page 2 of 3
      - Page 3 of 3
    - Gram Negative Rods (for automatic reading on ID 32 GN)
    - *Lactobacillus*
    - *Listeria*
    - Neisseria & Haemophilus
    - Non Enteric Gram Negative Rods
    - *Staphylococcus*
    - *Streptococcus*
    - Yeasts
    - Enzymes
  - Consumables & Accessories
- VITEK® 2 Compact
- VITEK MS: MALDI-TOF Mass Spectrometer
- DiversiLab®

Reference	Description	Presentation

API® Identification

API, RapiD, ID 32 & rapid ID 32 Strips (page 5 of 9)

Enterobacteriaceae (page 3 of 3)

API 50 CH

50300	API 50 CH	10 Strips
70902	Ampoule guards (50 CH range)	Pack of 3
50430	API 50 CHB/E medium	10 Ampoules
70100	Mineral oil	125ml Bottle
70700	API Suspension medium (2ml)	100 Ampoules
20150	API Suspension medium (5ml)	100 Ampoules

Gram Negative Rods (for automatic reading on ID 32 GN)

32100	ID 32 GN	25 Strips and Suspension medium
20070	API NaCl 0.85% medium (2ml)	100 Ampoules

Lactobacillus

API 50 CH

50300	API 50 CH	10 Strips
70902	Ampoule guards (50 CH range)	Pack of 3
50410	API 50 CHL medium	10 Ampoules
70100	Mineral oil	125ml Bottle
70700	API Suspension medium (2ml)	100 Ampoules
20150	API Suspension medium (5ml)	100 Ampoules

Listeria

API *Listeria*

10300	API *Listeria*	10 Strips and ZYM B reagent & medium

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    - *Listeria*
    - Neisseria & Haemophilus
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    - *Streptococcus*
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    - Enzymes
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Reference	Description	Presentation

API® Identification

API, RapiD, ID 32 & rapid ID 32 Strips (page 6 of 9)

Neisseria & Haemophilus

API NH

10400	API NH	10 Strips & media
70100	Mineral oil	125ml Bottle

Non Enteric Gram Negative Rods

API 20 NE

20050	API 20 NE	25 Strips & media
70442	API NIT 1 & NIT 2	2 x 5ml NIT 1; 2 x 5ml NIT 2 Ampoules
70380	API Zn	2 x 10g
70542	JAMES Reagent	2 x 5ml Ampoules
70100	Mineral oil	125ml Bottle
20070	API NaCl 0.85% medium (2ml)	100 Ampoules
55635	Oxidase Reagent	50 Ampoules x 0.75ml
54991	Paper discs (for use with Oxidase Reagent)	50 discs

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API® Identification

API, RapiD, ID 32 & rapid ID 32 Strips (page 7 of 9)

Staphylococcus

API Staph

Reference	Description	Presentation
20500	API Staph	25 Strips & media
70442	API NIT 1 & NIT 2	2 x 5ml NIT 1; 2 x 5ml NIT 2 Ampoules
70422	API VP 1 & VP 2	2 x 5ml VP 1; 2 x 5ml VP 2 Ampoules
70494	API ZYM A	2 x 8ml Ampoules
70493	API ZYM B	2 x 8ml Ampoules
70100	Mineral oil	125ml Bottle

ID 32 Staph

Reference	Description	Presentation
32500	ID 32 STAPH	25 Strips
70562	API FB	2 x 5ml Ampoules
70442	API NIT 1 & NIT 2	2 x 5ml NIT 1; 2 x 5ml NIT 2 Ampoules
70572	API VP A & VP B	1 x 5ml VP A; 1 x 5ml VP B Ampoules
70100	Mineral oil	125ml Bottle
70700	API Suspension medium (2ml)	100 Ampoules

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    - *Listeria*
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Reference	Description	Presentation

API® Identification

API, RapiD, ID 32 & rapid ID 32 Strips (page 8 of 9)

Streptococcus

API 20 Strep

20600	API 20 Strep	25 Strips & media
70491	API NIN	2 x 5ml Bottles
70422	API VP 1 & VP 2	2 x 5ml VP 1; 2 x 5ml VP 2 Ampoules
70494	API ZYM A	2 x 8ml Ampoules
70493	API ZYM B	2 x 8ml Ampoules
70100	Mineral oil	125ml Bottle
70700	API Suspension medium (2ml)	100 Ampoules

rapid ID 32 STREP

32600	rapid ID 32 STREP	25 Strips
70562	API FB	2 x 5ml Ampoules
70491	API NIN	2 x 5ml Bottles
70572	API VP A & VP B	1 x 5ml VP A; 1 x 5ml VP B Ampoules
70100	Mineral oil	125ml Bottle
70700	API Suspension medium (2ml)	100 Ampoules

Yeasts

API 20 C AUX

20210	API 20 C AUX	25 Strips and Suspension
70700	API Suspension medium (2ml)	100 Ampoules

ID 32 C

32200	ID 32 C	25 Strips and Suspension media
70700	API Suspension medium (2ml)	100 Ampoules

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Reference	Description	Presentation

API® Identification

API, RapiD, ID 32 & rapid ID 32 Strips (page 9 of 9)

Enzymes

API ZYM

25200	API ZYM	25 Strips
70494	API ZYM A	2 x 8ml Ampoules
70493	API ZYM B	2 x 8ml Ampoules

Consumables & Accessories

70901	Ampoule guards (API/ID 32 range)	Pack of 3
70902	Ampoule guards (50 CH range)	Pack of 3
15508	ATB™ Electronic Pipette	One
99234	Densimat	One
15512	Densimat Control Kit (for use with Densimat 99234)	5 Ampoules
99597	Lithium batteries (for use with Densimat 99234)	Two
70900	McFarland Standard Set	6 Ampoules
70250	PSIpettes (5ml) sterile	Pack of 400
70200	Stand for 12 ampoules	12 Ampoule Stand
70610	Sterile cotton swabs	Pack of 100
70760	Sterile loops	50 x 10
15710	Sterile tips (for Electronic Pipette)	50 Packets of 10
00118	Food Safety Handbook	One

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VITEK® 2 Compact

VITEK 2 Compact Training Course

Reference	Description	Presentation
S8090	VITEK 2 Compact Training Course	2 Delegates 2 Days

VITEK 2 Compact Systems

Reference	Description	Presentation
27415	VITEK 2 Compact 15	Instrument
27630	VITEK 2 Compact 30	Instrument
27660	VITEK 2 Compact 60	Instrument

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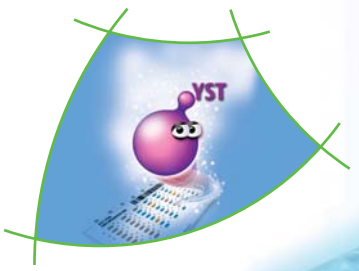
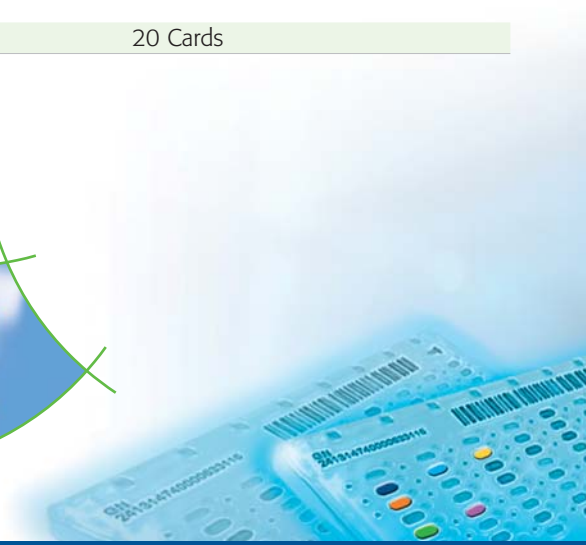
VITEK® 2 Compact

VITEK 2 Compact Identification Cards

Reference	Description	Presentation
Anaerobes		
21347	VITEK 2 ANC	20 Cards
Bacillus		
21345	VITEK 2 BCL	20 Cards
Corynebacteria		
21348	VITEK 2 CBC	20 Cards
Gram Negative		
21341	VITEK 2 GN	20 Cards
Gram Positive		
21342	VITEK 2 GP	20 Cards
Neisseria, Haemophilus & Fastidious Bacteria		
21346	VITEK 2 NH	20 Cards
Yeast		
21343	VITEK 2 YST	20 Cards





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VITEK® 2 Compact

VITEK 2 Compact Antibiotic Susceptibility Cards

Gram Negative rods

Reference	Description	Presentation
National – England & Ireland		
412936	VITEK 2 AST-N206 (Standard Enterobacteriaceae Card)	20 Cards
412918	VITEK 2 AST-N210 (Standard Non-Enterobacteriaceae Card)	20 Cards
412937	VITEK 2 AST-N207 (Standard Urine Card)	20 Cards
National – Scotland		
415672	VITEK 2 AST-N297 (Standard Enterobacteriaceae Card)	20 Cards
413722	VITEK 2 AST-N253 (Standard Non-Enterobacteriaceae Card)	20 Cards
413723	VITEK 2 AST-N254 (Standard Urine Card)	20 Cards
International		
Various	VITEK 2 AST-Nxxx ◊	20 Cards

Gram Positive cocci

National		
416911	VITEK 2 AST-P635 (Standard Staphylococcus Card)	20 Cards
415671	VITEK 2 AST-P634 (Standard Staphylococcus Card)	20 Cards
22216	VITEK 2 AST-P576 (Standard Streptococcus pneumoniae Card)	20 Cards
410028	VITEK 2 AST-ST01 (Standard Streptococcus Card)	20 Cards
22335	VITEK 2 AST-P607 (Standard Enterococcus Card)	20 Cards
International		
Various	VITEK 2 AST-Pxxx ◊	20 Cards

Yeasts

International		
414967	VITEK 2 AST-YS07	20 Cards

◊ For full details of card compositions please call your local Product Specialist.

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VITEK® 2 Compact

VITEK 2 Compact Consumables & Accessories

Reference	Description	Presentation
V1204	VITEK 2 Saline 0.45%	3 x 500ml
V1200	VITEK 2 Saline Dispenser	One
99717	Saline Dispenser Adapter Ring	2 Rings
70610	Sterile cotton swabs	Pack of 100
417619	VITEK 2 Sterile Test tubes (capped)	Pack of 25
69285	VITEK 2 Test tubes (uncapped)	Pack of 2,000
21250	VITEK 2 DensiCHEK™ Plus	One
21255	VITEK 2 DensiCHEK Plus - Standard Reference Kit	4 Vials
V1226	2D Barcode Reader (for use with VITEK 2 Compact and Culture Media)	One

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VITEK® MS: MALDI-TOF Mass Spectrometer

VITEK MS™

Reference	Description	Presentation
VITEK MS Analyser & Accessories		
410895	VITEK MS (IVD)	Instrument
410895 +	VITEK MS PLUS (IVD & Research)	Instrument
415267	VITEK MS Prep Station	Accessory
Myla™ Middleware		
411402	Myla Middleware	One
411615	Myla bioMérieux Instrument Interface	One
410152	Myla Multiuser Licence	One Licence
410910	Myla remote access to VITEK MS software	One
VITEK MS Consumables		
410893	VITEK MS-DS Slides	1,536 Tests (32 x 48)
411071	VITEK MS-CHCA (Matrix Solution)	5 x 0.5ml
411072	VITEK MS-FA (Extraction fluid for yeasts)	5 x 0.5ml
417172 ***NEW***	VITEK MS-Blood Culture Kit (RUO)	4 x 25 Tests
411721	VITEK MS-Silica Gel	500g
301145	LyfoCults® Plus *Escherichia coli* ATCC® 8739™	2 Vials
300953	LyfoCults Plus *Candida glabrata* ATCC MYA-2950™	2 Vials
301053	LyfoCults Plus *Enterobacter aerogenes* ATCC 13048™	2 Vials

LyfoCults Plus are being phased out in 2015 and products can only be supplied subject to availability. **CLICK HERE** if you require any further information.

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  - DiversiLab Species Fingerprinting Kits
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  - DiversiLab Extraction Accessories

DiversiLab®

DiversiLab Equipment

Reference	Description	Presentation
	DiversiLab System	Instrument

DiversiLab Species Fingerprinting Kits

Gram Positive

Reference	Description	Presentation
410962	DiversiLab *Bacillus* Kit	24 Tests
410966	DiversiLab *Clostridium* Kit	24 Tests
410969	DiversiLab *Enterococcus* Kit	24 Tests
410982	DiversiLab *Lactobacillus* Kit	24 Tests
410991	DiversiLab *Staphylococcus* Kit	24 Tests
410992	DiversiLab *Streptococcus* Kit	24 Tests

Gram Negative

Reference	Description	Presentation
410946	DiversiLab *Acinetobacter* Kit	24 Tests
410964	DiversiLab *Campylobacter* Kit	24 Tests
410968	DiversiLab *Enterobacter* Kit	24 Tests
410980	DiversiLab *Escherichia* (& *Shigella spp*) Kit	24 Tests
410981	DiversiLab *Klebsiella* Kit	24 Tests
410983	DiversiLab *Listeria* Kit	24 Tests
410988	DiversiLab *Pseudomonas* Kit	24 Tests
410989	DiversiLab *Salmonella* Kit	24 Tests
410990	DiversiLab *Serratia* Kit	24 Tests

Fungal

Reference	Description	Presentation
410965	DiversiLab *Candida* Kit	24 Tests
411008	DiversiLab Fungal (Yeasts & Molds) Kit	24 Tests
410994	DiversiLab *Saccharomyces* Kit	24 Tests

Miscellaneous

Reference	Description	Presentation
411007	DiversiLab Bacteria (Gram Positive & Gram Negative) Kit	24 Tests
410984	DiversiLab *Mycobacterium* Kit	24 Tests
410987	DiversiLab *Propionibacterium* (& *Legionella spp*) Kit	24 Tests

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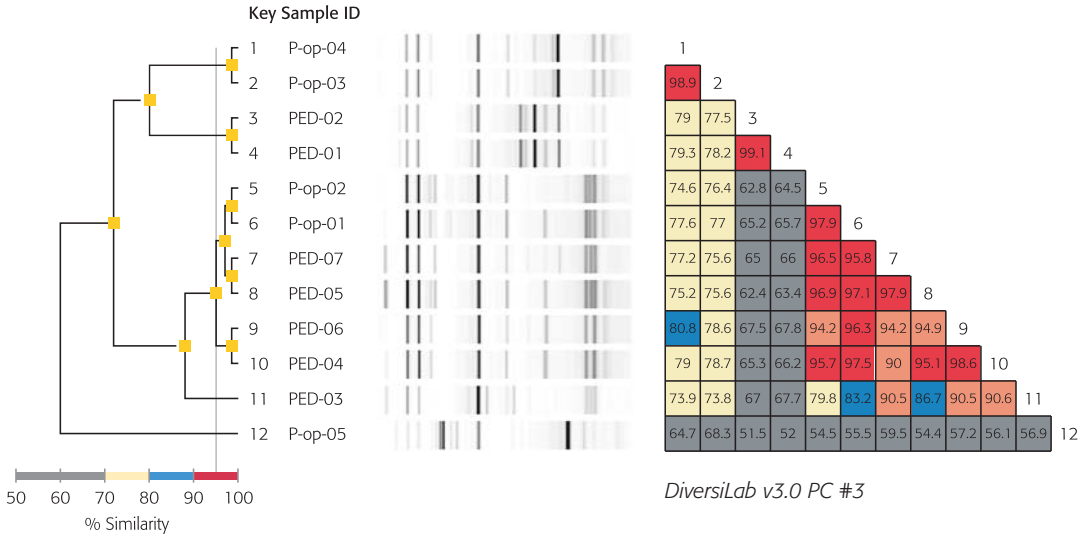
  - DiversiLab Extraction Accessories

DiversiLab®

Reference	Description	Presentation
DiversiLab Test Accessories		
270670	DiversiLab LabChip Kit 25 Chips	325 Tests
	Kit contains:	
	DiversiLab LabChip Reagents	325 Tests
	DiversiLab LabChip	25 LabChips x 13 Tests
	DiversiLab Syringe	Two
270715	DiversiLab LabChip Priming Station	One
270673	DiversiLab Gel Standards	1 Set
270674	DiversiLab Certification Panel	One
270656	DiversiLab Thermal Cycler QC Kit	48 Tests
411164	DiversiLab Training Kit	24 Tests
DiversiLab Extraction Accessories		
270676	DiversiLab MoBio UltraClean™	250 Tests
270675	DiversiLab MoBio UltraClean	50 Tests
270677	MoBio Adaptor FOR Genie Vortex	One



DiversiLab v3.0 PC #3

MOLECULAR

Gen-Probe®
- Instruments & Accessories
- ACCUPROBE®: Rapid Confirmation
- Mycoplasma Tissue Culture
- AMPLIFIED: Amplification & Detection
- Consumables & Accessories

NucliSENS®
- Product information – Sample Extraction
- NucliSENS Magnetic Extraction Systems
- NucliSENS EasyQ® System
- NucliSENS EasyQ Reagents, Consumables & Accessories

easySTREAM™
- easySTREAM System
- easySTREAM Accessories
- easySTREAM Consumables

DiversiLab®
- DiversiLab Equipment
- DiversiLab Fingerprinting Kits
- DiversiLab Test Accessories
- DiversiLab Extraction Accessories

Reference	Description	Presentation

Gen-Probe®

GEN-PROBE

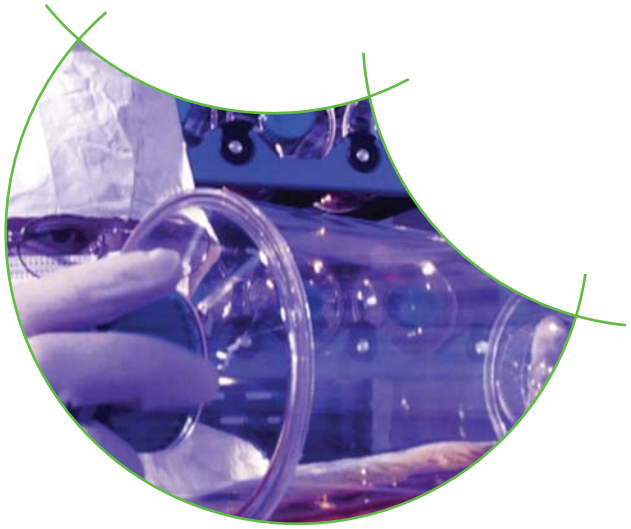
Instruments & Accessories

Heating Blocks

39405	Heating Block at 42 °C	One
39406	Heating Block at 60 °C	One
39407	Heating Block at 95 °C	One
39408	Twin Heating Block at 60 °C & 95 °C	One

Sonicator

39409	Sonicator	One
39313	Sonicator Rack	One



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NucliSENS®
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- NucliSENS EasyQ Reagents, Consumables & Accessories

easySTREAM™
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- easySTREAM Accessories
- easySTREAM Consumables

DiversiLab®
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Gen-Probe®

ACCUPROBE®: Rapid Confirmation

Culture Identification kit

Reference	Description	Presentation
39305	Culture Identification Reagent Kit (Reagents 1,2,3)	100 Mycobacteria/ 200 Bacteria

Campylobacter

Reference	Description	Presentation
39502	ACCUPROBE *Campylobacter* spp	20 Tests

Listeria monocytogenes

Reference	Description	Presentation
39500	ACCUPROBE *Listeria monocytogenes*	20 Tests

Mycobacteria

Reference	Description	Presentation
39002	ACCUPROBE Mycobacterium avium	20 Tests
39001	ACCUPROBE Mycobacterium avium complex	20 Tests
39005	ACCUPROBE Mycobacterium gordonae	20 Tests
39004	ACCUPROBE Mycobacterium intracellulare	20 Tests
39003	ACCUPROBE Mycobacterium kansasii	20 Tests
39000	ACCUPROBE Mycobacterium tuberculosis complex	20 Tests

Staphylococcus aureus

Reference	Description	Presentation
39203	ACCUPROBE *Staphylococcus aureus*	20 Tests

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- NucliSENS EasyQ Reagents, Consumables & Accessories

easySTREAM™
- easySTREAM System
- easySTREAM Accessories
- easySTREAM Consumables

DiversiLab®
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- DiversiLab Test Accessories
- DiversiLab Extraction Accessories

Reference	Description	Presentation

Gen-Probe®

Mycoplasma Tissue Culture

39503	MTC Mycoplasma Tissue Culture NI	50 Tests

AMPLIFIED: Amplification & Detection

Mycobacteria

39006	AMPLIFIED Mycobacterium tuberculosis complex	50 Tests

Consumables & Accessories

39310	100µL Pipettes (long filter) for MTD	120 Units
39308	Polypropylene Tubes	250 Tubes
39320	Polystyrene Stoppers	150 Stoppers
39307	Polystyrene Tubes	120 Tubes
39311	Rack for 50 Tubes	One

MOLECULAR

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easySTREAM™
- easySTREAM System
- easySTREAM Accessories
- easySTREAM Consumables

DiversiLab®
- DiversiLab Equipment
- DiversiLab Fingerprinting Kits
- DiversiLab Test Accessories
- DiversiLab Extraction Accessories

Sample Extraction
NucliSENS® easyMAG®/miniMAG®

NucliSENS™ easyMAG

NucliSENS™ miniMAG

Molecular detection requires the extraction of nucleic acids from many different sample types. The quality of extracted nucleic acids has a big impact on the quality of the test results obtained.

bioMérieux has developed two solutions to increase the performance and productivity of nucleic acid extraction and to meet the different needs for automated solutions:

- NucliSENS miniMAG is a semi-automated solution
- NucliSENS easyMAG is a totally automated system for nucleic acid extraction/purification

NucliSENS miniMAG and NucliSENS easyMAG provide:

- Generic extraction for DNA and RNA
- Single procedure and reagent set for all applications
- Simultaneous processing of variable sample and elution volumes
- Compatible with most sample types

BOOM® Technology

bioMérieux patented BOOM technology is based on the ability of silica to bind DNA and RNA in high salt concentrations. BOOM technology is recognised as the most efficient method for nucleic acid extraction and is now licensed by bioMérieux for use in many commercially-available solutions.

BIOMÉRIEUX INDUSTRY

MOLECULAR

Gen-Probe®
- Instruments & Accessories
- ACCUPROBE®: Rapid Confirmation
- Mycoplasma Tissue Culture
- AMPLIFIED: Amplification & Detection
- Consumables & Accessories

NucliSENS®
- Product information – Sample Extraction
- NucliSENS Magnetic Extraction Systems
  - easyMAG® Automated Extraction System
  - miniMAG® Semi Automated Extraction System
- NucliSENS EasyQ® System
- NucliSENS EasyQ Reagents, Consumables & Accessories

easySTREAM™
- easySTREAM System
- easySTREAM Accessories
- easySTREAM Consumables

DiversiLab®
- DiversiLab Equipment
- DiversiLab Fingerprinting Kits
- DiversiLab Test Accessories
- DiversiLab Extraction Accessories

Reference	Description	Presentation

NucliSENS®

NucliSENS Magnetic Extraction Systems (page 1 of 2)

easyMAG® Automated Extraction System

280140	easyMAG Automated Magnetic Extraction System	One
99223	HP Laserjet 1320 Printer	One
278303	Strip Plate (Greiner)	100 Plates
280141	BioHit Pipettor	One
280151	BioHit adaptor	One
280146	BioHit Pipette tips	960
280130	NucliSENS easyMAG Extraction Buffer 1	4 x 1 Litre
280131	NucliSENS easyMAG Extraction Buffer 2	4 x 1 Litre
280132	NucliSENS easyMAG Extraction Buffer 3	4 x 1 Litre
280133	NucliSENS easyMAG Magnetic Silica	384 Extractions
280134	NucliSENS easyMAG Lysis Buffer	4 x 1 Litre
280135	NucliSENS easyMAG Disposables	384 Positions

2006 FROST & SULLIVAN Technology Innovation Award

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Reference	Description	Presentation

NucliSENS®

NucliSENS Magnetic Extraction Systems (page 2 of 2)

miniMAG® Semi Automated Extraction System

200305	NucliSENS miniMAG Extractor	One
200299	Magnetic Rack 12 hole	One
200292	NucliSENS Lysis Buffer 2ml	48 Tubes
200293	NucliSENS Magnetic Extraction Reagents	48 Tests
200294	Micro Tubes 1.5ml with cap	500

NucliSENS EasyQ® System

Real Time Amplification & Detection System

285052	EasyQ System for Real Time Amplification and Detection using Molecular Beacons. Includes EasyQ Reader, PC Workstation, Director Software, Incubator, Printer & Tube-strip Centrifuge	One
285056	Tube-strip Centrifuge	One
270677	MoBio Adaptor FOR Genie Vortex	One
201247	EasyQ Analysis Software	One
201248	EasyQ Analysis Software Operator Manual	One

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NucliSENS EasyQ® Reagents, Consumables & Accessories

Reference	Description	Presentation
HIV-1 Viral Load		
285033	NucliSENS EasyQ HIV-1 v.2.0 Real Time HIV-1 Viral load determination	48 Tests
Enterovirus		
410311	NucliSENS EasyQ Enterovirus v1.1	48 Tests
410312	NucliSENS EasyQ Enterovirus Controls	6 x Positive and 6 x Negative
RSV		
280305	NucliSENS EasyQ RSV A + B Kit	48 Tests
280104	NucliSENS EasyQ Basic Kit v2	48 Tests
HSV		
280110	NucliSENS EasyQ HSV 1 + 2	48 Tests
280104	NucliSENS EasyQ Basic Kit v2	48 Tests
Influenza A/B		
280113	NucliSENS EasyQ Influenza A/B (complete kit)	48 Tests
280129	NucliSENS EasyQ Influenza A/B (includes nV H1N1) RUO	48 Tests
Consumables		
285048	0.2ml 8-tube strips	125
285051	0.2ml 8-tube caps	125
285049	Tube tray holder	One
45685050	Capping aid	One
45685207	Pipetting aid	One
45685206	EasyQ Quick Reference Card	One

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easySTREAM™

easySTREAM System

Reference	Description	Presentation
414352 NEW	easySTREAM System	One
416263 NEW	easySTREAM RP5800 PC	One
416498 NEW	easySTREAM HP E201 Wide Monitor Kit	One
416264 NEW	easySTREAM 1900GHD Barcode-Reader	One
417088 NEW	easySTREAM User Manual, CD	One

easySTREAM Accessories

Reference	Description	Presentation
416939 NEW	easySTREAM Vessel Holder for two modules	One
416940 NEW	easySTREAM Reagent Holder	One
416941 NEW	easySTREAM Tip Rack	One
416942 NEW	easySTREAM SBS Adapter 32-FLIP	One
416943 NEW	easySTREAM Universal Rack 1	One
416944 NEW	easySTREAM Universal Rack 2	One
416945 NEW	easySTREAM Waste Hole	One
416946 NEW	easySTREAM Waste Box	One
416947 NEW	easySTREAM 96 Well Plate Rack	One
416948 NEW	easySTREAM Rotordisk 72 Holder	One
417265 NEW	easySTREAM Cooling Adaptor	One

easySTREAM Consumables

Reference	Description	Presentation
415014 NEW	easySTREAM Tips 50 µl	5 x 10 x 96
414351 NEW	easySTREAM Tips 200 µl	5 x 10 x 96

A Liquid Handling System for the assay PCR set-up

Robotic pipetting system for rapid, high precision, automated PCR set-up. Versatile, compact and easy to use.

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DiversiLab®

DiversiLab Equipment

Reference	Description	Presentation
	DiversiLab System	Instrument

DiversiLab Species Fingerprinting Kits

Gram Positive

410962	DiversiLab *Bacillus* Kit	24 Tests
410966	DiversiLab *Clostridium* Kit	24 Tests
410969	DiversiLab *Enterococcus* Kit	24 Tests
410982	DiversiLab *Lactobacillus* Kit	24 Tests
410991	DiversiLab *Staphylococcus* Kit	24 Tests
410992	DiversiLab *Streptococcus* Kit	24 Tests

Gram Negative

410946	DiversiLab *Acinetobacter* Kit	24 Tests
410964	DiversiLab *Campylobacter* Kit	24 Tests
410968	DiversiLab *Enterobacter* Kit	24 Tests
410980	DiversiLab *Escherichia* (& *Shigella spp*) Kit	24 Tests
410981	DiversiLab *Klebsiella* Kit	24 Tests
410983	DiversiLab *Listeria* Kit	24 Tests
410988	DiversiLab *Pseudomonas* Kit	24 Tests
410989	DiversiLab *Salmonella* Kit	24 Tests
410990	DiversiLab *Serratia* Kit	24 Tests

Fungal

410965	DiversiLab *Candida* Kit	24 Tests
411008	DiversiLab Fungal (Yeasts & Molds) Kit	24 Tests
410994	DiversiLab *Saccharomyces* Kit	24 Tests

Miscellaneous

411007	DiversiLab Bacteria (Gram Positive & Gram Negative) Kit	24 Tests
410984	DiversiLab *Mycobacterium* Kit	24 Tests
410987	DiversiLab *Propionibacterium* (& *Legionella spp*) Kit	24 Tests

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DiversiLab®

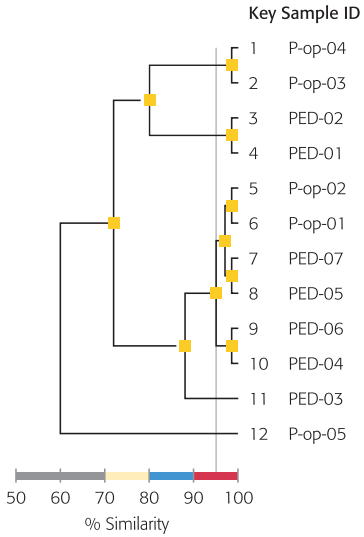
diversilab™ Strain typing

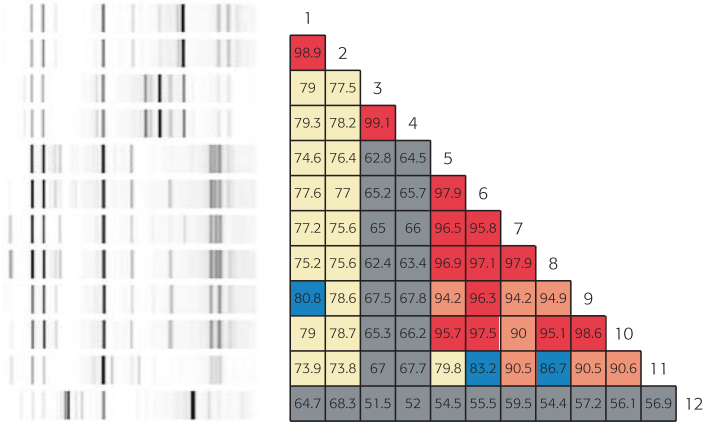
DiversiLab Test Accessories

Reference	Description	Presentation
270670	DiversiLab LabChip Kit 25 Chips	325 Tests
	Kit contains:	
	DiversiLab LabChip Reagents	325 Tests
	DiversiLab LabChip	25 LabChips x 13 Tests
	DiversiLab Syringe	Two
270715	DiversiLab LabChip Priming Station	One
270673	DiversiLab Gel Standards	1 Set
270674	DiversiLab Certification Panel	One
270656	DiversiLab Thermal Cycler QC Kit	48 Tests
411164	DiversiLab Training Kit	24 Tests

DiversiLab Extraction Accessories

270676	DiversiLab MoBio UltraClean™	250 Tests
270675	DiversiLab MoBio UltraClean	50 Tests
270677	MoBio Adaptor FOR Genie Vortex	One





DiversiLab v3.0 PC #3

SHORTCUTS

Food
- Pre-Poured Media – Plates, Bottles & Tubes
- CHEMUNEX®
- VIDAS®
- TEMPO®
- API®
- BioBall® Custom Services
- BioBall: QC Organisms
- Gen-Probe®
- Incubation System: GENbag-GENbox
- Food Environmental Monitoring
- Labguard® 3D

Pharmaceutical
- VITEK® MS
- BioBall Custom Services
- BioBall: QC Organisms
- ScanRDI®
- VITEK 2 Compact
- API
- *air*IDEAL® Traceability
- DiversiLab®
- 3P™ Irradiated Media
- Sterility Testing & Media Fill Testing
- LyfoCults® Plus
- Labguard 3D

Cosmetics
- Pre-Poured Media – Plates, Bottles & Tubes
- BioBall Custom Services
- BioBall for PET
- D-Count®
- API
- Incubation System: GENbag-GENbox
- Labguard 3D

Water
- Water Testing

How to use Shortcuts

To help you find the product you need as quickly as possible we've grouped relevant products together according to different industries' requirements.

Simply click on the product titles in the left panel or the logos above to jump straight to the beginning of each section.